

مصنع التدوير الحديث ذ.م.م
MODERN RECYCLING FACTORY W.L.L
Sustainable future.
INDUSTRIAL OPERATIONS | صحار المتكاملة للتجارة والمقاولات SOHAR INTEGRATED FOR TRADE & CONTRACTING | تشغيل صناعي

Modern Recycling Factory

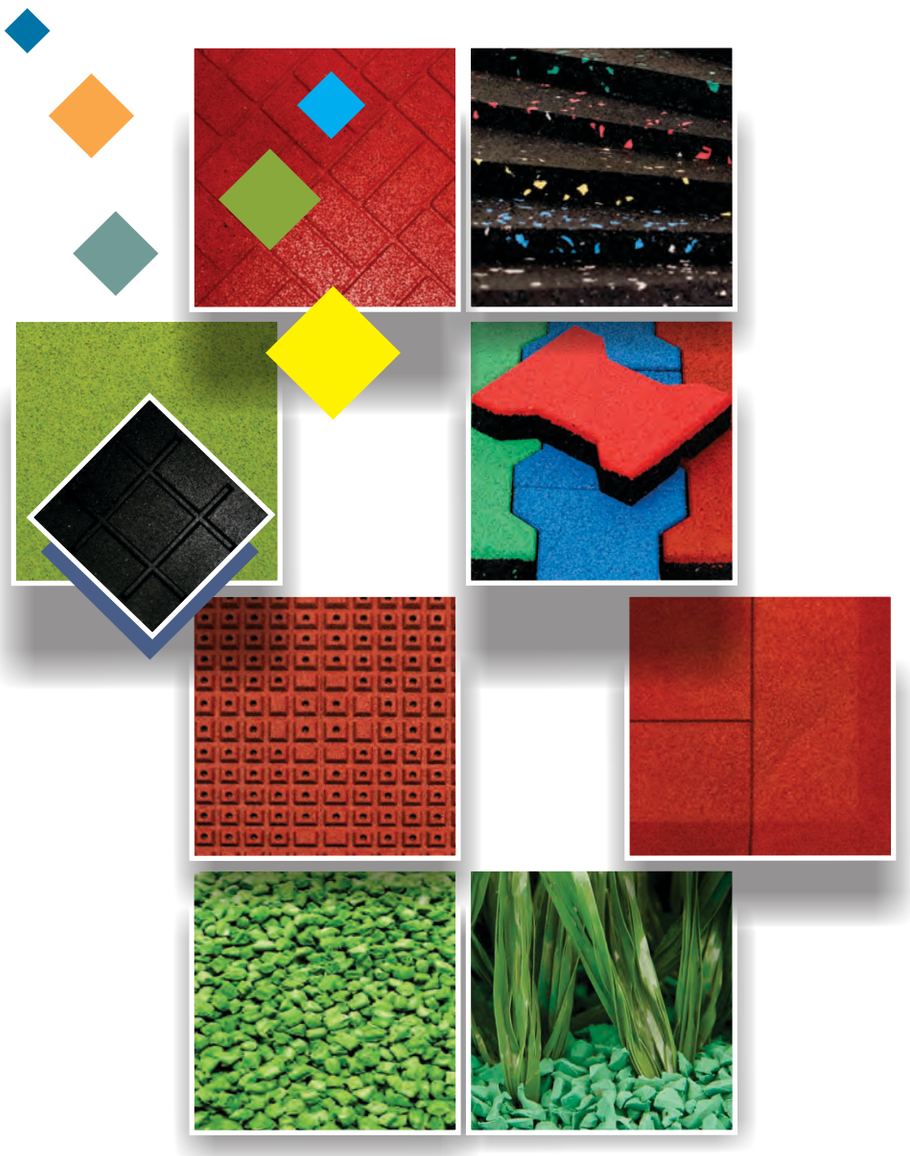
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Email: sales@mrf.qa Web: www.mrf.qa

SUSTAINABLE

PRODUCT CATALOGUE



FUTURE

صنع في قطر
MADE IN QATAR

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SOHAR INTEGRATED FOR TRADE & CONTRACTING
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MRF INSIDES

PLAYGROUND & SPORTS

06-39



FITNESS & GYM

40-67



ROADS & BUILDINGS INFRASTRUCTURE

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EQUESTRAIN & SHOOTING RANGE

84-121



صنع في قطر
MADE IN QATAR



About us:

Modern Recycling factory aims to be the premier provider of recycled tyre products not just in Qatar but the whole GCC region. The factory's commitment to finding new and better ways to reduce, recycle, reuse wasted tyres that bridge to the goal of Qatar's national vision 2030 in developing sustainable solutions of managing the environment as MRF creates a harmony between economic growth, social development & the environment.

By using the latest high-end technology & European machineries, we pride ourselves in transforming wasted tyres into smart innovative products that can be used as a substitution for various materials and contribute to a sustainable future.

Our products are tested & accredited by certified laboratories globally; namely Intertek UK, TUV Nord Group, Kiwa ISA sport, Labosport Italia and SGS. We use TRIAX 2015 for surface impact system to test the impact of the fallen items on our products for safety & quality purposes. These assure to our clients that we only offer high quality goods that are up to the international safety standards. Ranging from ECOFEL, Rubber Tiles, Interlock Rubber Pavers, Interlock Rubber Tiles, Rubber Sheet, steel, fiber & other customized rubber products. We ensure exceptionality & client satisfaction in every craftsmanship we make.

ISO
EUROPEAN STANDARDS
ASTM INTERNATIONAL
SGS ISO 14001
SGS OHSAS 18001
SGS ISO 9001
LABOSPORT
TÜV HELLAS TÜV NORD GROUP
intertek Total Quality. Assured.
TRIAX2015
kiwa
SGS

MRE STATEMENTS

❖ Mission Statement ❖

To become Qatar's environmental solution partner and a market leader in the recycling industry where we will be a model of professionalism, environmental responsibility and economic viability.

❖ Vision Statement ❖

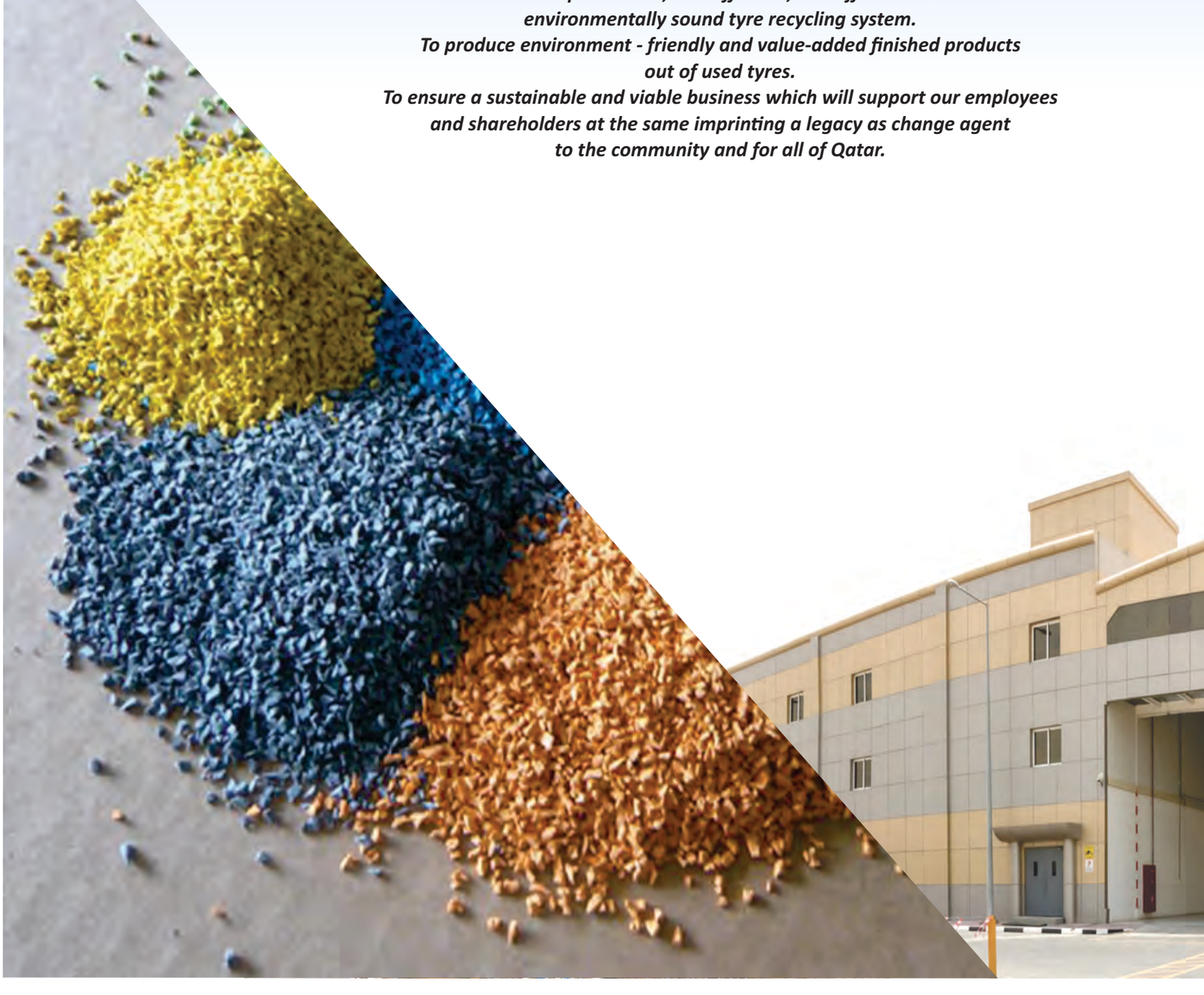
Promote and encourage aggressive recycling efforts in line with Qatar's government objective for a clean and green environment.

Protect our environment by reducing a portion of the waste tyres that ends up in the dumpsite.

Provide a comprehensive, cost effective, and efficient as well as environmentally sound tyre recycling system.

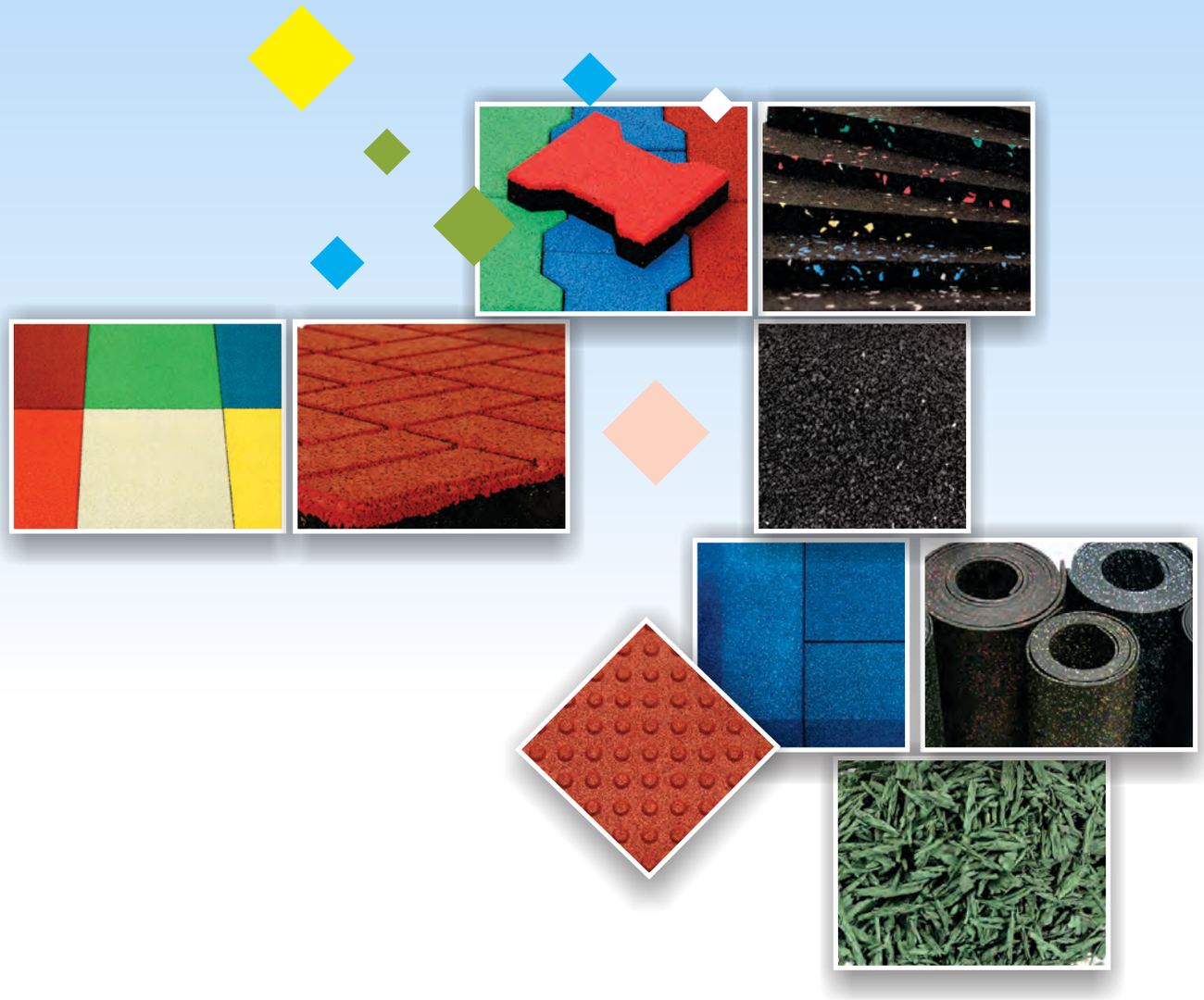
To produce environment - friendly and value-added finished products out of used tyres.

To ensure a sustainable and viable business which will support our employees and shareholders at the same imprinting a legacy as change agent to the community and for all of Qatar.



مصنع التدوير الحديث
MODERN RECYCLING FACTORY

sustainable future





MRF
Playground & Sports



ECOFEL



RUBBER GRANULES



INTERLOCK RUBBER PAVERS



INTERLOCK RUBBER PAVERS/ EPDM



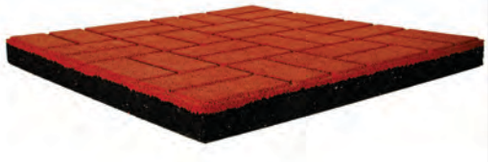
RUBBER TILE



RUBBER TILE EPDM



INTERLOCK RUBBER TILE



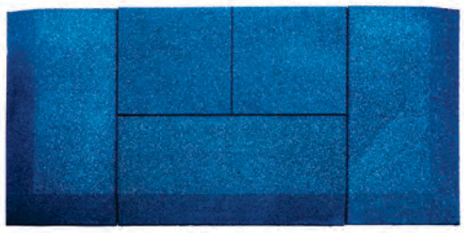
INTERLOCK RUBBER TILE EPDM



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ANTI-STUMBLE EDGE



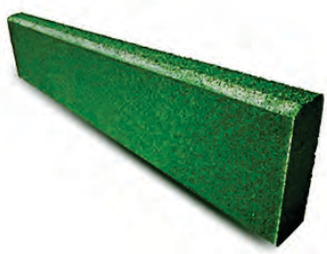
ANTI-STUMBLE EDGE EPDM



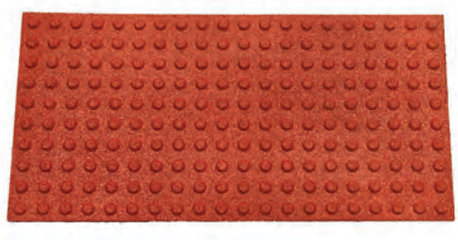
ANTI-STUMBLE EDGE RT



ANTI-STUMBLE EDGE LT



SANDPIT EDGING BLOCK



SAFETY TILE



RUBBER MULCH



MULTI PURPOSE MAT

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ECOFEL

ECOFEL TECHNICAL DATA SHEET

PRODUCT:

Ecofel is an infill material for artificial turf structure, it provides a softer shock absorber surface and improves a physical movement in artificial turf sports. This product works as an alternative for SBR Rubber Granules, which is applied as an infill in grass. It is also an economical solution that replaces EPDM when the accurate composition is applied. It has a wide range of application and it does not leave neither a smell nor marks.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green & Customize.
Dimension (mm)	:	2 - 4 mm.
Weight	:	20 Kgs./bag.
Testing	:	ASTM G155 (Xenon Arc Light exposure of Non-metallic). EN 71-3: Specification for migration of certain elements. DIN 18035-7:2014 Synthetic turf areas determination of environment compatibility.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Children's playgrounds.
- Sport fields – football field.
- Swimming pool sides.
- Gymnasium and athletic facilities.
- Tennis court.
- Golf course.

CHARACTERISTIC:

- Comfortable to athletes, no dust.
- Less installation time and reduce cost.
- Good sports capability.
- Does not leave smell and marks.
- Minimize injuries to player.
- Long lasting color.

LABOSPORT

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



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Playground & Sports









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RUBBER GRANULES

RUBBER GRANULES TECHNICAL DATA SHEET

PRODUCT:

Rubber Granules are shredded and granulated from tyres. It is pure rubber free from textile and steel. It has a wide range of applications as an end product because it is used in other rubber products to shape and build them. It has a downstream conversation product. Rubber products are made 100% of rubber granules. It is free of any hazardous substances and has been put through laboratory tests.

Availability ranges from: 100% Rubber granules.

TECHNICAL PROPERTIES:		
Color	:	Black (SBR).
Dimension (mm)	:	2 - 4, 1 - 3, 0 - 2 (Customization can be done prior to customer's satisfaction).
Weight	:	1 ton./bag.
Testing	:	Sieve shaker test.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

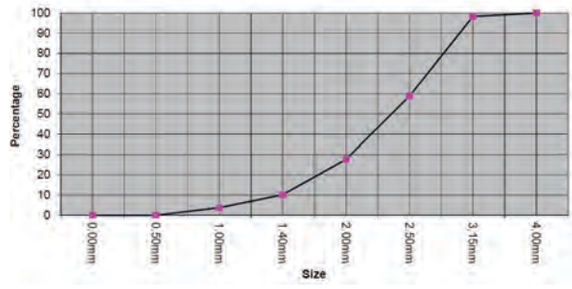
- Running tracks.
- Kids playground.
- Basketball court underlaying.
- Tennis court sub surface.

CHARACTERISTIC:

- Weather resistant and hard-wearing.
- Noise and skid resistant.
- Versatile design and application.

Particle Size Distribution: (Example)

"10-30"	1.0-3.0mm(%)	1.0-3.0mm(%) acc.
4.00-5.00	0,00	100,00
3.15-4.00mm	1,69	100,00
2.50-3.15mm	39,52	98,31
2.00-2.50mm	31,08	58,79
1.40-2.00mm	17,57	27,71
1.00-1.40mm	6,42	10,14
0.50-1.00mm	3,72	3,72
0.00-0.50mm	0,00	0,00



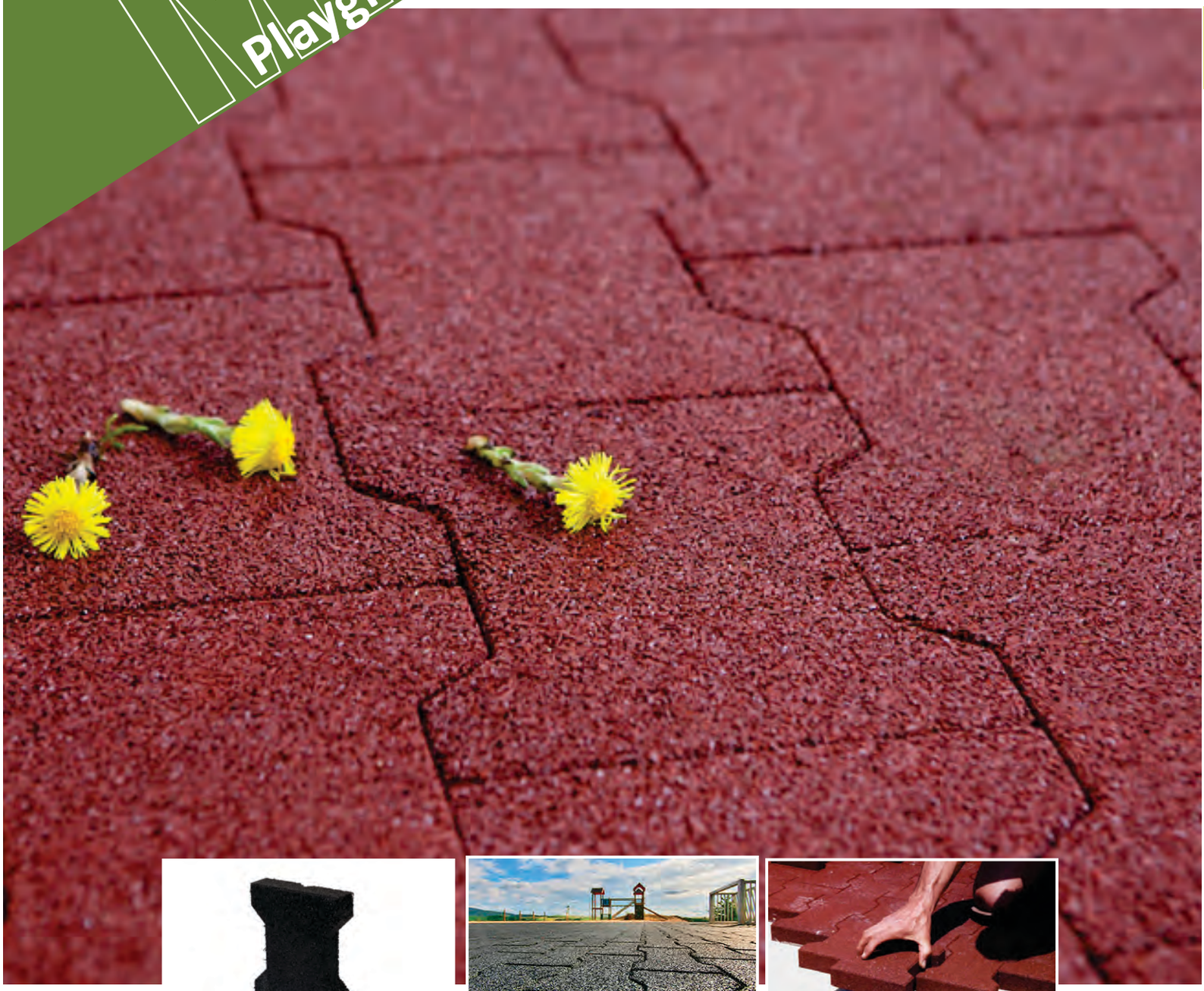
Retsch®
Solutions in Milling & Sieving



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INTERLOCK



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RUBBER PAVERS

INTERLOCK RUBBER PAVERS

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	200x165x30.
Weight	:	0-72 kgs./pc. (varies on product requirement).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Sidewalks at rehabilitation centers and daycare centers.
- Wheelchair routes.
- Retirement homes and hospitals.
- Paths on golf courses.
- Outdoor fitness parks.

CHARACTERISTIC:

- Reliable and constant impact protection.
- Long lasting, hard-wearing.
- Weather resistant.
- Versatile design and application.
- Sound-absorbing.

ASTM INTERNATIONAL

Specification for the migration of certain noxious elements EN71-3



MRF

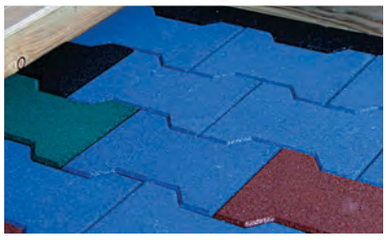
Playground & Sports

INTERLOCK









sustainable future

RUBBER PAVERS /EPDM

INTERLOCK RUBBER PAVERS / EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow, & Customize.
Dimension (mm)	:	200x165x40.
Weight	:	0-94 Kgs./pc.
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

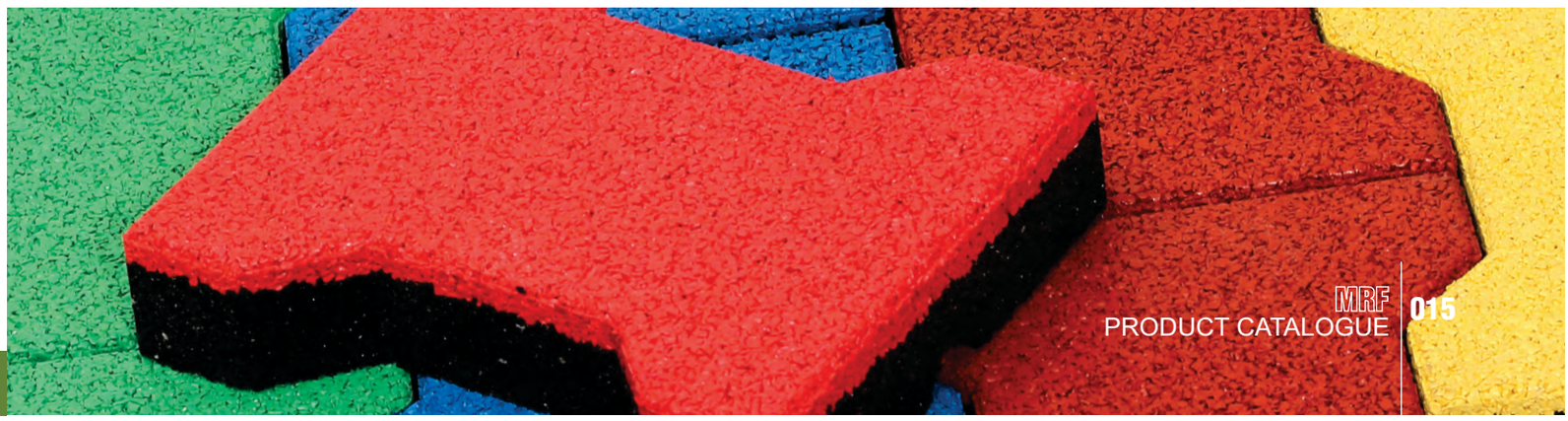
- Peripheral surface around table-tennis tables.
- Walk ways in ice skating rings.
- Basketball courts.
- Courtyard and patios.
- Leisure and entertainment place.

CHARACTERISTIC:

- Reliable and constant impact protection.
- Long lasting, hard-wearing.
- Weather resistant.
- Versatile design and application.
- Sound-absorbing.

ASTM INTERNATIONAL

Specification for the migration of certain noxious elements EN71-3



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RUBBER TILE

RUBBER TILE TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1 m^2 = 25 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Children's play areas.
- Walking path at park.
- Recreational facilities.
- Kindergarten playgrounds.
- Streetball facilities.

CHARACTERISTIC:

- Impact resistant against dropping.
- Demonstrates good weather resistance.
- Resilient and durable.
- Environment friendly product.
- Protects against serious head injuries.

LABOSPORT

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ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



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RUBBER TILE / EPDM

RUBBER TILE / EPDM | TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x45, 500x1000x45 & 1000x1000x45.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x45 1 m^2 = 32 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Children's play areas.
- Recreational facilities.
- Kindergarten playgrounds.
- Terraces and patios.
- Training studios.

CHARACTERISTIC:

- Impact resistant against dropping.
- Cushioning effect.
- Decorative, versatile and safe.
- Protects against serious head injuries.
- Super drainage capacity.

LABOSPORT

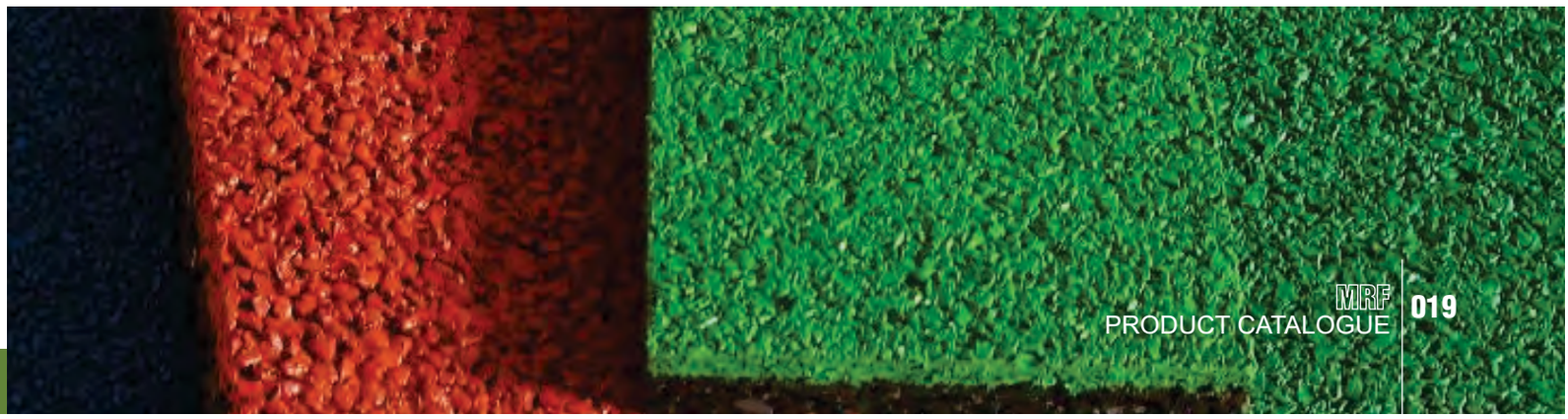
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EN71-3 Specification for the migration of certain noxious elements



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INTERLOCK



sustainable future

RUBBER TILES

INTERLOCK RUBBER TILES

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green, Black (SBR) & Customize.
Dimension (mm)	:	500x500x30, 500x1000x30, 1000x1000x30.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x30 1pc. = 7.5 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Children's play areas.
- Recreational facilities.
- Kindergarten playgrounds.
- Terraces and patios.
- Training studios.

CHARACTERISTIC:

- Impact resistant against dropping.
- Cushioning effect.
- Decorative, versatile and safe.
- Protects against serious head injuries.
- Super drainage capacity.

LABOSPORT

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TRIAX 2015 IMPACT TESTING SYSTEMS



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RUBBER TILES / EPDM

INTERLOCK RUBBER TILES / EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100 % SBR rubber colored granules EPDM- topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1pc. = 9.6 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Recreational facilities.
- swimming pool.
- Walk ways in ice skating rings.
- Path ways for golf course.
- Sidewalk – parks.
- Playgrounds.

CHARACTERISTIC:

- The grooves help channels the water off the surface of the tiles.
- Impact resistant and noise resistant.
- High flexibility and permeable.
- UV and ozone resistance that prevents from fading and ageing.
- Wear and slip resistant.

ASTM INTERNATIONAL

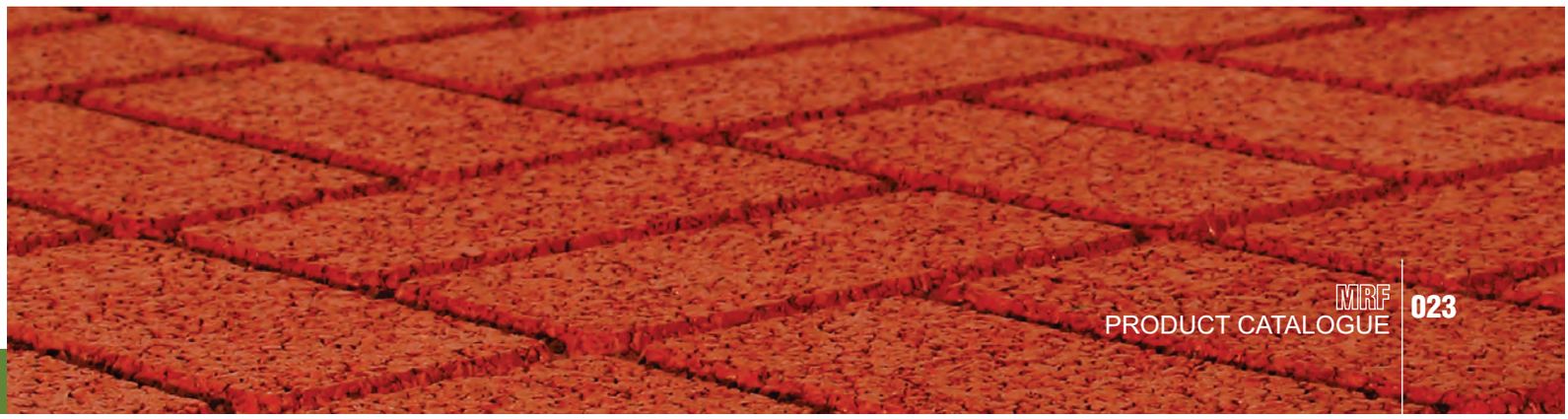
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EN71-3

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ANTI-STUMBLE EDGE

ANTI-STUMBLE EDGE TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green, Black (SBR) & Customize.
Dimension (mm)	:	500x1000x40.
Design	:	Available design also in corners, left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (Works with Rubber tiles & Rubber tiles EPDM).

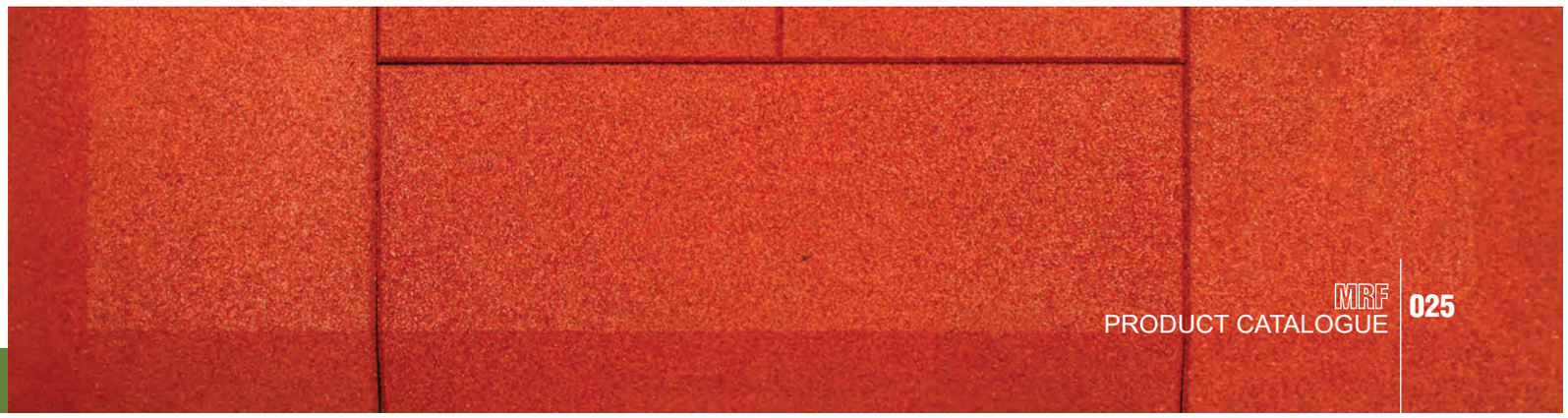
- Indoor and outdoor playgrounds.
- Parks – for wheel chair and tire moving objects.
- Walking paths (bicycle lane).
- Access to sports fields.
- Patios and terraces.

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Playground & Sports



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ANTI-STUMBLE EDGE / EPDM

ANTI-STUMBLE EDGE / EPDM | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules EPDM- topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x1000x45.
Design	:	Available design also left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x45 1pc. = 23 Kgs.).
Testing	:	ASTM F1344-15 (Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (Works with Rubber tiles & Rubber tiles EPDM).

- Indoor and outdoor playgrounds.
- Parks – for wheel chair and tire moving objects.
- Walking paths (bicycle lane).
- Access to sports fields.
- Patios and terraces.

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



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Playground & Sports



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ANTI-STUMBLE EDGE RT

ANTI-STUMBLE EDGE RT TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500 x 1000 x 40.
Design	:	Available design also in middle (edge) and left.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc.=15.5Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (Works with Rubber tiles & Rubber tiles EPDM).

- Indoor and outdoor playgrounds.
- Parks – for wheel chair and tire moving objects.
- Walking paths (bicycle lane).
- Access to sports fields.
- Patios and terraces.

ASTM INTERNATIONAL

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.
- For edging corners on left and right.

EN71-3 Specification for the migration of certain noxious elements



MRF

Playground & Sports



sustainable future

ANTI-STUMBLE EDGE LF

ANTI-STUMBLE EDGE LF | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500 x 1000 x 40.
Design	:	Available design also in middle (edge) and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc.=15.5Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (Works with Rubber tiles & Rubber tiles EPDM).

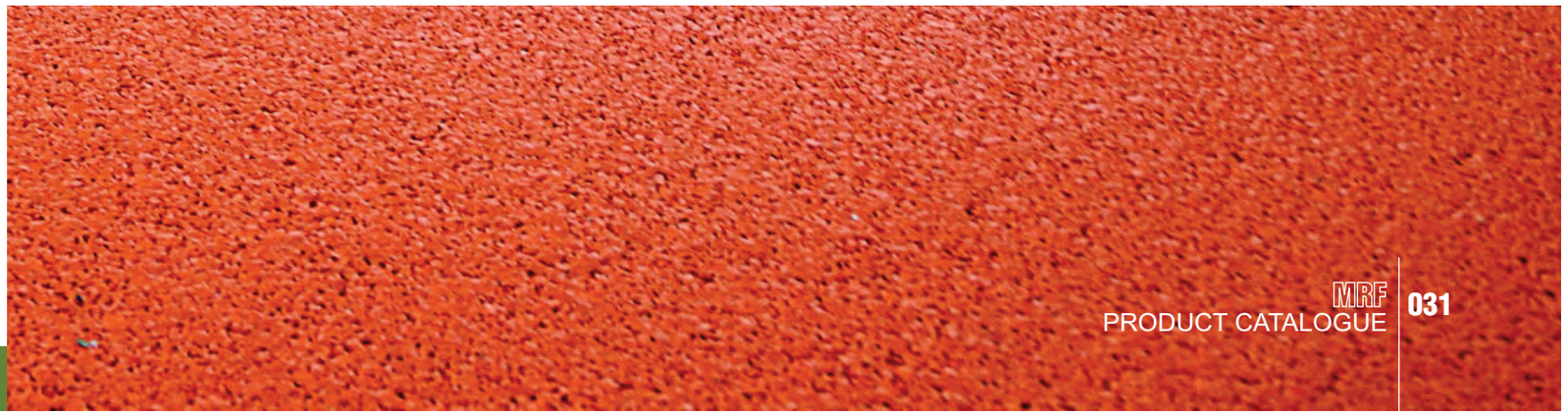
- Indoor and outdoor playgrounds.
- Parks – for wheel chair and tire moving objects.
- Walking paths (bicycle lane).
- Access to sports fields.
- Patios and terraces.

ASTM INTERNATIONAL

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.
- For edging corners on left and right.

EN71-3 Specification for the migration of certain noxious elements



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Playground & Sports

SANDPIT



sustainable future

EDGING BLOCK

SANDPIT EDGING BLOCK

TECHNICAL DATA SHEET

PRODUCT:

Sandpit Edging Block is designed to restrain areas with soft/hard materials such as sand/mud/grass from the surrounding terrain. It is a safe alternative for curbstone in running tracks because rubber reduces the risk of a serious injury from an accident. It works in outdoor sports activities, landscaping, gardens and patios.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	1000x190x50.
Weight	:	10 Kgs./pc.
Testing	:	Rectangular pseudo-shape top side.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

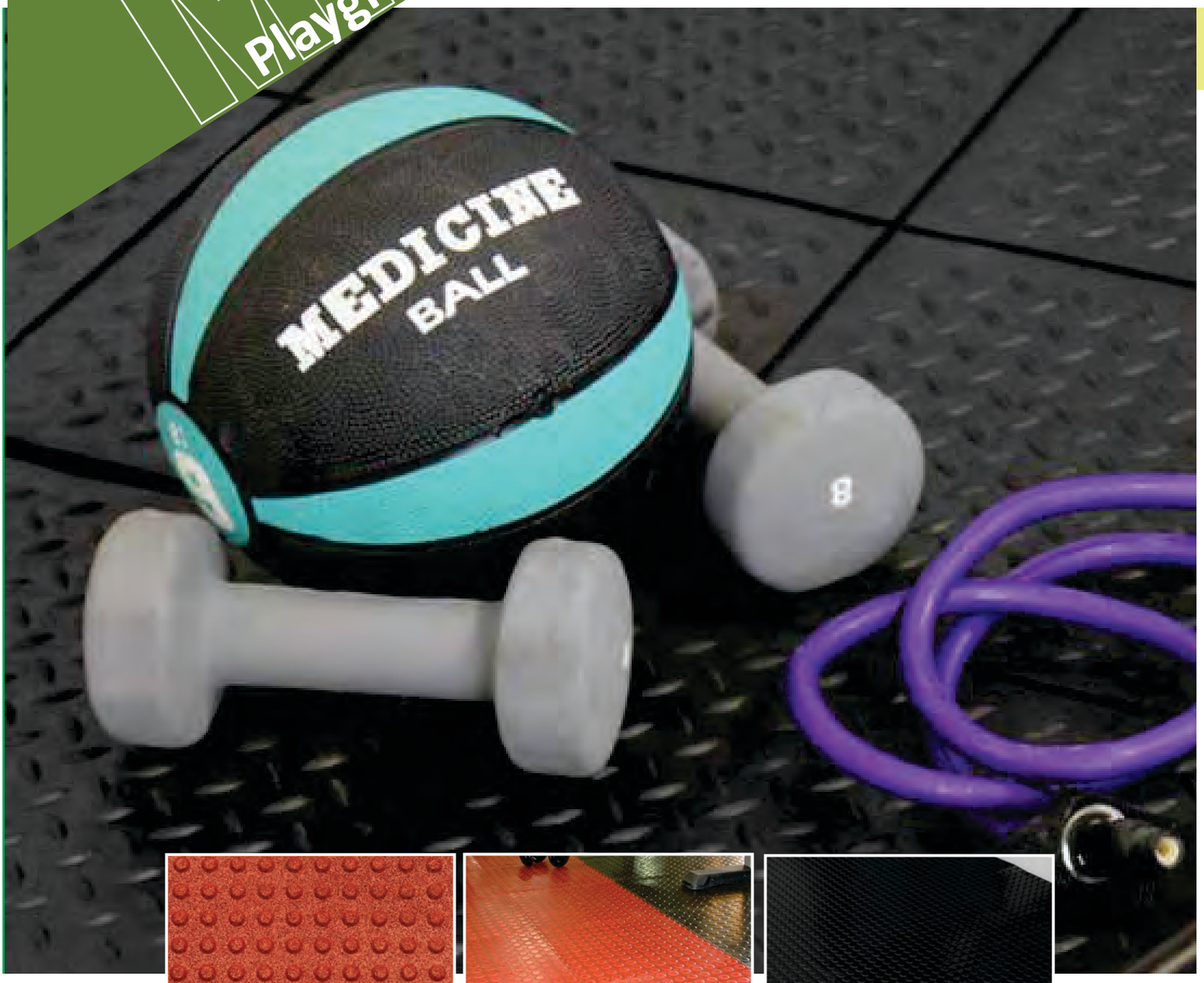
- Outdoor playgrounds.
- Edging – daycare facilities and kindergartens.
- Edging – running tracks.
- Landscaping.
- Peripheral enclosures around sports surfaces.

CHARACTERISTIC:

- Superior shock absorption properties.
- Fall-down damage can be reduced to minimum.
- Sturdy for edging around different types.
- Low maintenance and easy to clean.



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Playground & Sports



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SAFETY TILES

SAFETY TILES | TECHNICAL DATA SHEET

PRODUCT:

Safety Tiles provide a distinctive surface pattern of truncated domes or detectable cones by long underfoot cane. Safety tiles are used to alert people with vision impairment of their approach to the streets/public roads or hazardous drop offs to raise their awareness of the danger ahead. Safety tiles are indicators found on many footpaths, stairs, shopping malls, airports, train station platforms for directional guidance, hazardous warning and assist vision impaired pedestrians.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x20, 500x1000x25 & 500x1000x30.
Weight	:	Varies from design needed. (e.g. 500x500x20 1 m^2 = 20 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

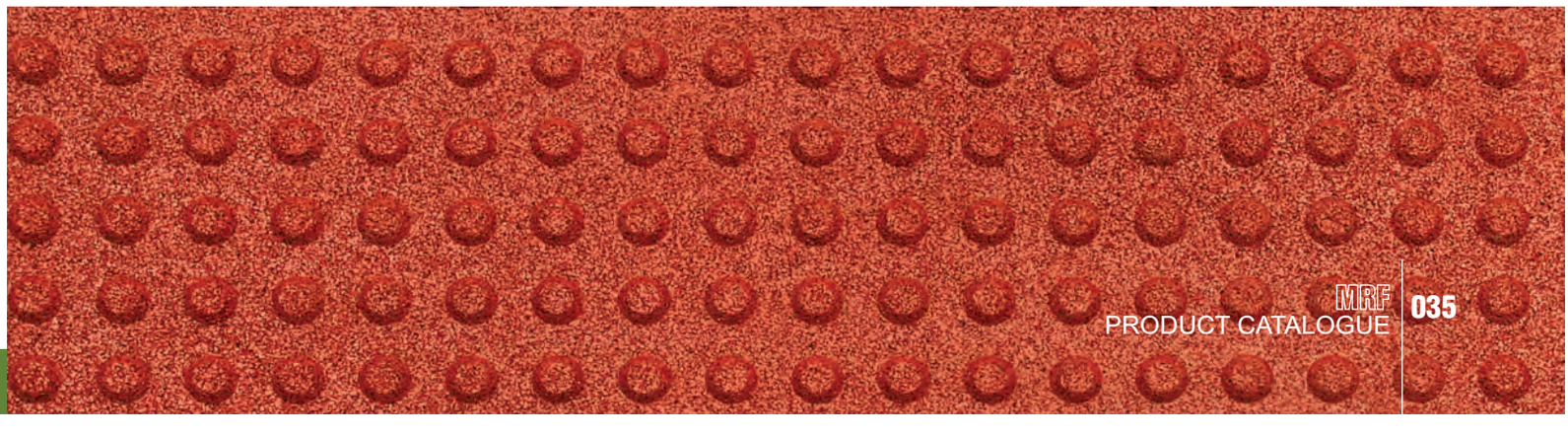
- Sports fields path ways.
- Locker rooms flooring.
- Indoor sports flooring.
- Leisure yard.
- Wash bays.

CHARACTERISTIC:

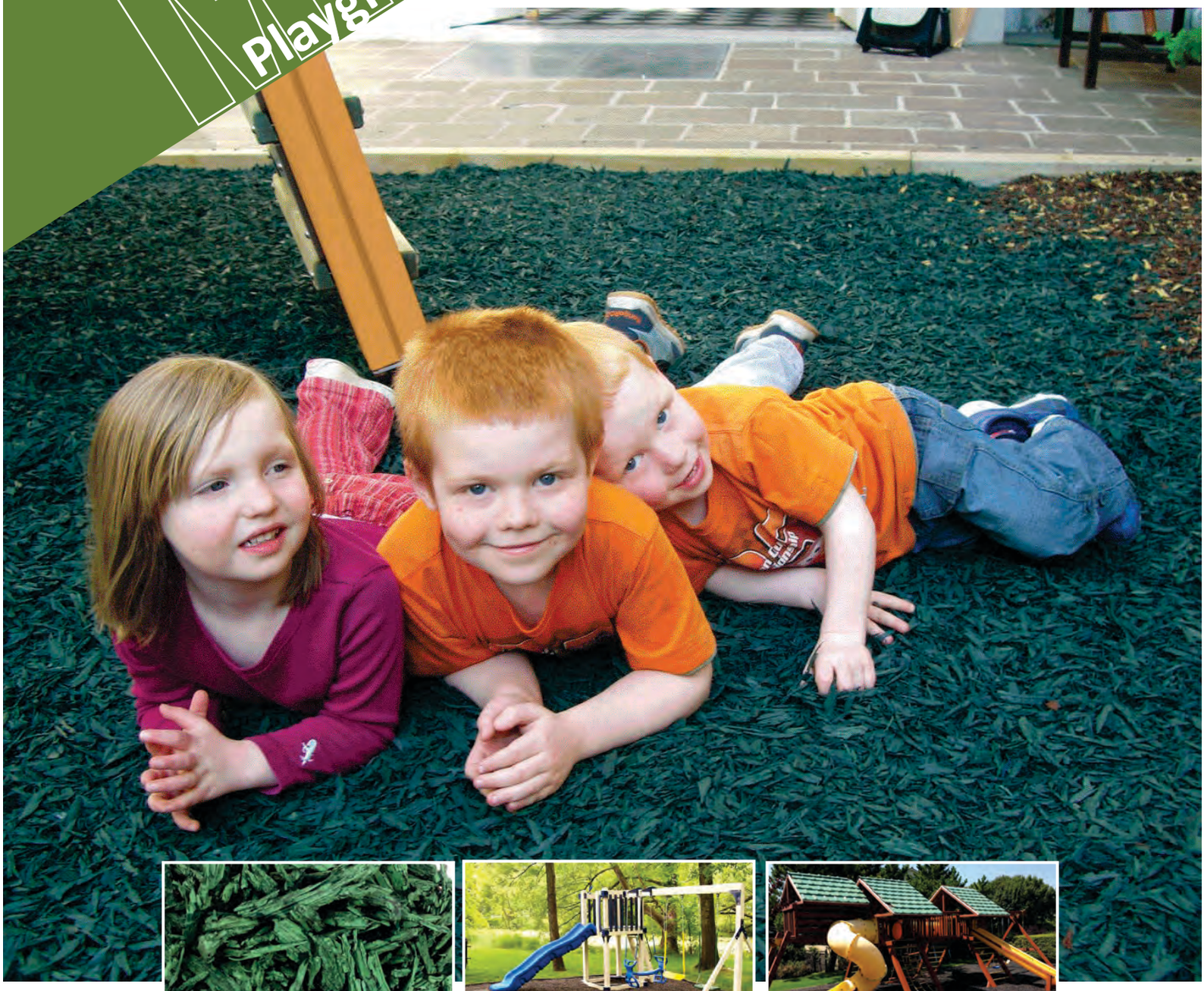
- Resistance to weather and UV.
- Durable, uniform elasticity across the whole surface.
- Sure-footed and non-slip.
- Homogeneous and seamless.
- Minimized risk of injuries.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



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Playground & Sports



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RUBBER MULCH

RUBBER MULCH TECHNICAL DATA SHEET

PRODUCT:

Rubber Mulch is an innovative and Eco-friendly product. It is presentable and reflects a fashionable image of its usages to individuals. Rubber Mulch is a smart choice for mulch and ground covers of its applications. it is durable, cost-effective, low maintenance, eco-friendly and does not cause bugs/insects/ants to gather unlike the usage of other products. It is a perfect replacement of stone, wood mulch, and other ground cover materials. It plays a big role of kids safety in playgrounds and other areas.

Availability ranges from: 100 % SBR rubber colored granulesCustomization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Coated SBR), Green & Customize.
Dimension (mm)	:	4 - 20, 20 - 60.
Weight	:	15 Kgs./bag.
Testing	:	ASTM G155 (Xenon Arc Light exposure of Non-metallic) EN 71-3 (Specification for migration of certain elements).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Playground for kids.
- Courtyard and patios.
- Landscaping.

CHARACTERISTIC:

- Reduces injuries from fall.
- Creates a safer playground.
- Does not attract termites, ants or harmful wood destroying insects.
- Helps prevent weeds.
- Inhibits growth of molds and fungi.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Playground & Sports



sustainable future

MULTI PURPOSE MATS

MULTI PURPOSE MATS | TECHNICAL DATA SHEET

PRODUCT:

Multipurpose Mat is manufactured with a premium quality rubber matting. It is produced to meet the specification and demands of users that made it specified in providing comfort to equestrian and livestock. It protects the users from severe injuries, reduces the possibility of capped hocks. It is applicable in various fields, such as gym & fitness flooring, horses' stable, and even cattle.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Coated SBR), Green & Customize.
Dimension (mm)	:	1000x1000x25.
Weight	:	31 Kgs./m².
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to short-term chemical exposure, Resistance to Heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Children's playing field.
- Recreation ground – kindergarten.
- School – sports facility floorings.
- Walking path basketball gym.

ASTM INTERNATIONAL

CHARACTERISTIC:

- Anti-slip flooring and permeable to water.
- Back-to-back design.
- Dimensionally stable.
- Abrasion resistant.
- Stain/attack resistant from exposed to certain chemicals.

EN71-3 Specification for the migration of certain noxious elements

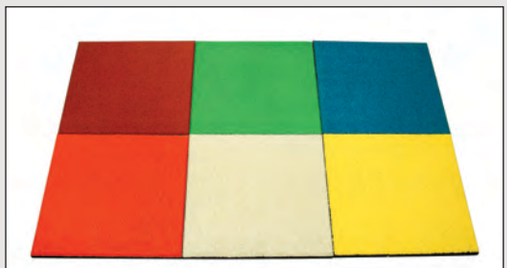
Fitness & Gym



RUBBER SHEET (MULTIPURPOSE-LAYERING)



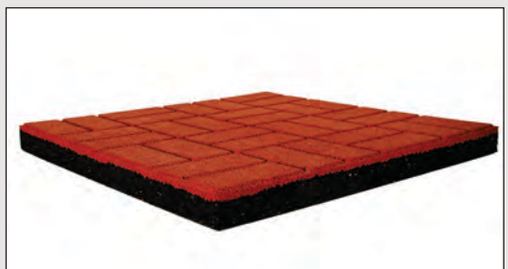
RUBBER TILE



RUBBER TILE EPDM



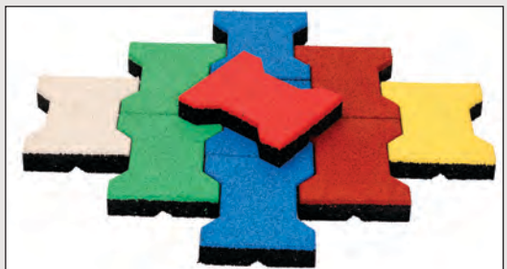
INTERLOCK RUBBER TILE



INTERLOCK RUBBER TILE EPDM



INTERLOCK RUBBER PAVERS



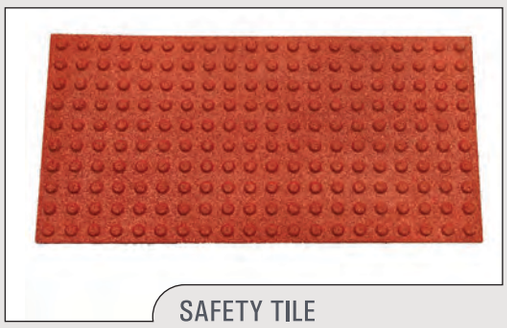
INTERLOCK RUBBER PAVERS/ EPDM



MULTI PURPOSE MAT



sustainable future



SAFETY TILE



ANTI-STUMBLE EDGE



ANTI-STUMBLE EDGE EPDM

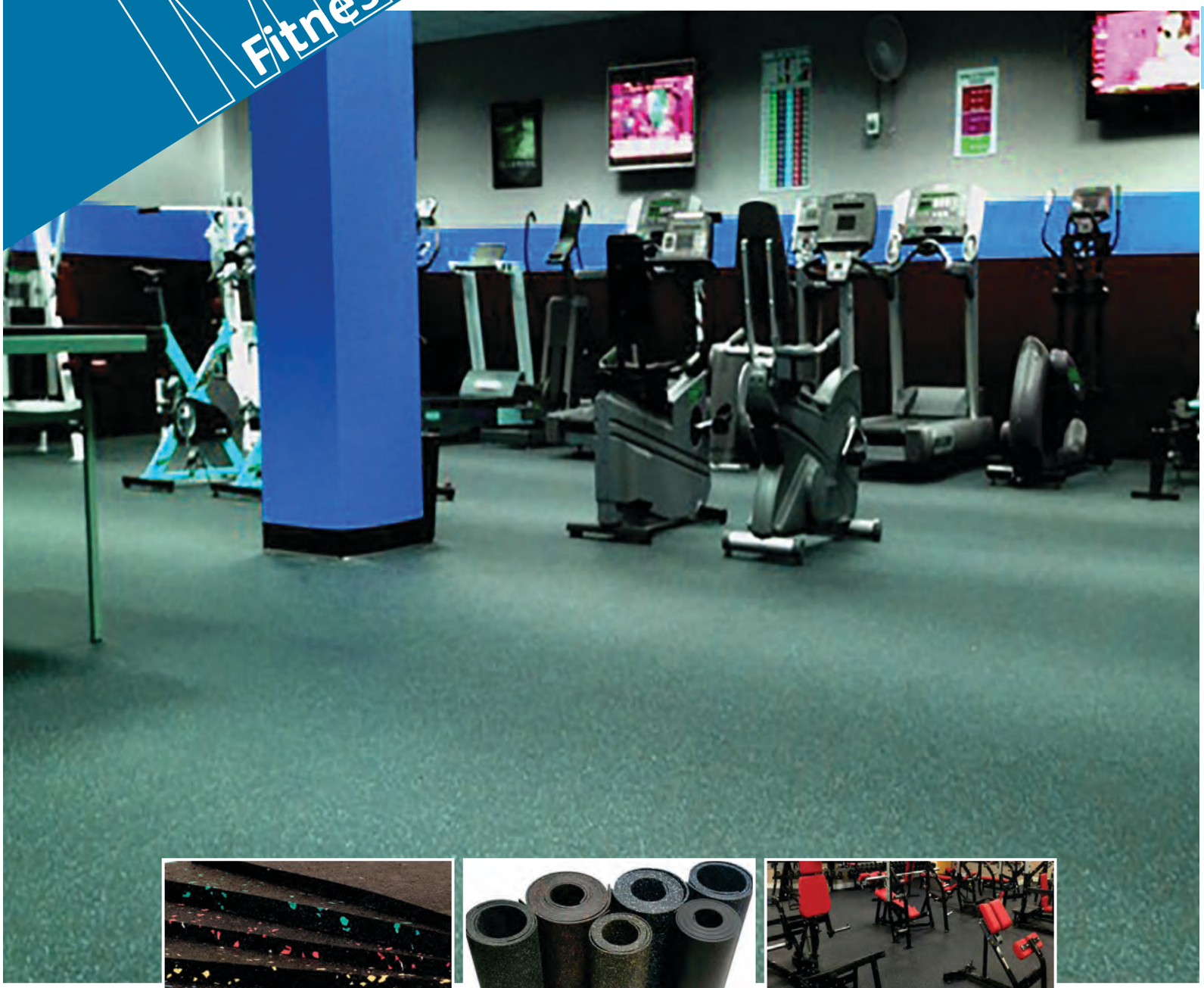


ANTI-STUMBLE EDGE RT



ANTI-STUMBLE EDGE LT

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RUBBER SHEET
(MULTIPURPOSE-LAYERING)

RUBBER SHEET | TECHNICAL DATA SHEET

PRODUCT:

Rubber sheet is one of the most durable products for sport flooring and it stands repeated dropped weights. This product is shock absorbent, eco-friendly flooring that is made from high quality rubber and it comes with EPDM granules. It best works as a base, coated with polyurethane that creates a high-shock absorption and it makes it long lasting.

Availability ranges from: SBR rubber granules, EPDM-SBR mixed, Customization can be acquired prior customer's satisfaction

TECHNICAL PROPERTIES:		
Color	:	Red, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	1200x4, 1200x6 & 1200x8.
Weight	:	Varies from design needed. (e.g. 1200x8; 1m² = 8.8 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 & ISO 10577.
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

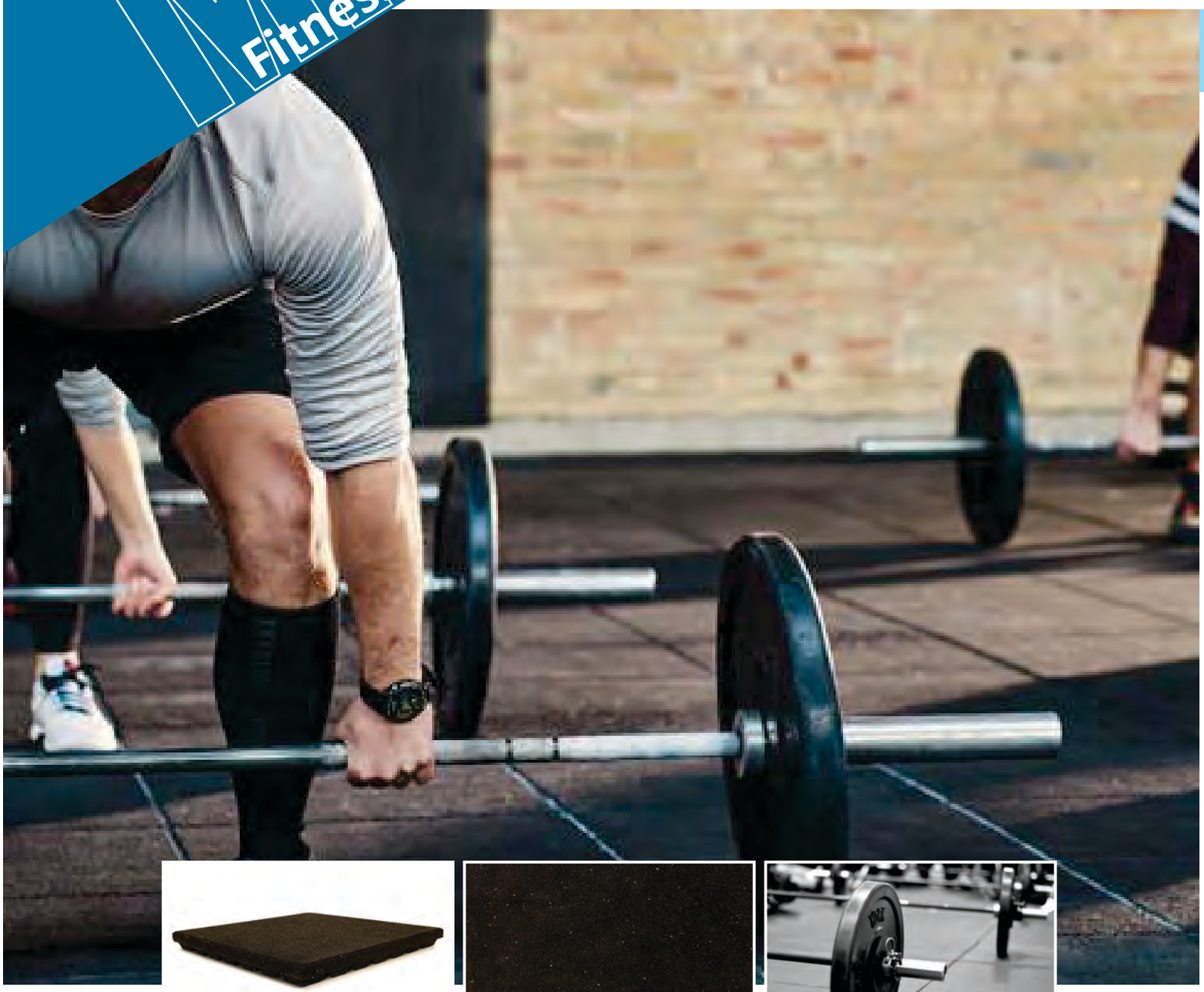
APPLICATION FIELDS:

- Fitness surface flooring.
- Cross fit training facilities.
- Yoga and Pilates studios.
- School: athletic fitness area.
- Equipment room flooring.

CHARACTERISTIC:

- Dimensionally stable.
- Good flexibility.
- Color fastness to light.
- Abrasion resistant.
- Ideal balance between anti-slip and sliding properties.

MRF
Fitness & Gym



sustainable future

RUBBER TILES

RUBBER TILES TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1 m^2 = 25 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Indoor gym areas.
- Sports facilities.
- Fitness flooring centers.
- Recreational facilities.
- Weight lifting surfaces.

CHARACTERISTIC:

- Good impact resistant against dropping.
- Excellent ball roll and shock absorption.
- Gentle on joints and muscles.
- Variable force reduction, depending on material thickness and composition.
- Protects against serious head injuries.



MRF
Fitness & Gym



sustainable future

RUBBER TILES/EPDM

RUBBER TILES/EPDM | TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x45, 500x1000x45 & 1000x1000x45.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x45 1 m^2 = 32 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- CrossFit gym.
- Sports facilities.
- Fitness flooring centers.
- Recreational facilities.
- Weight lifting surfaces.

CHARACTERISTIC:

- Good impact resistance against dropping.
- Seamless and hard-wearing.
- Weather proof and long lasting.
- Durable under intensive use.
- Non-slip surface.



MRF

Fitness & Gym

INTERLOCK



sustainable future

RUBBER TILES

INTERLOCK RUBBER TILES

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100% SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x500x30, 500x1000x30, 1000x1000x30.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x30 1pc. = 7.5 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Foot walks from gym areas.
- Gym surface layering.
- Health club surfaces.
- Recreational centre.

CHARACTERISTIC:

- The thickness gives high noise and impact resistance.
- Optimized ball rebounds.
- Homogeneous and weather proof.
- Low care and cleaning workload.
- Wear and slip resistant.

ASTM INTERNATIONAL

LABOSPORT

TÜV HELLAS TÜV NORD GROUP

kiwa

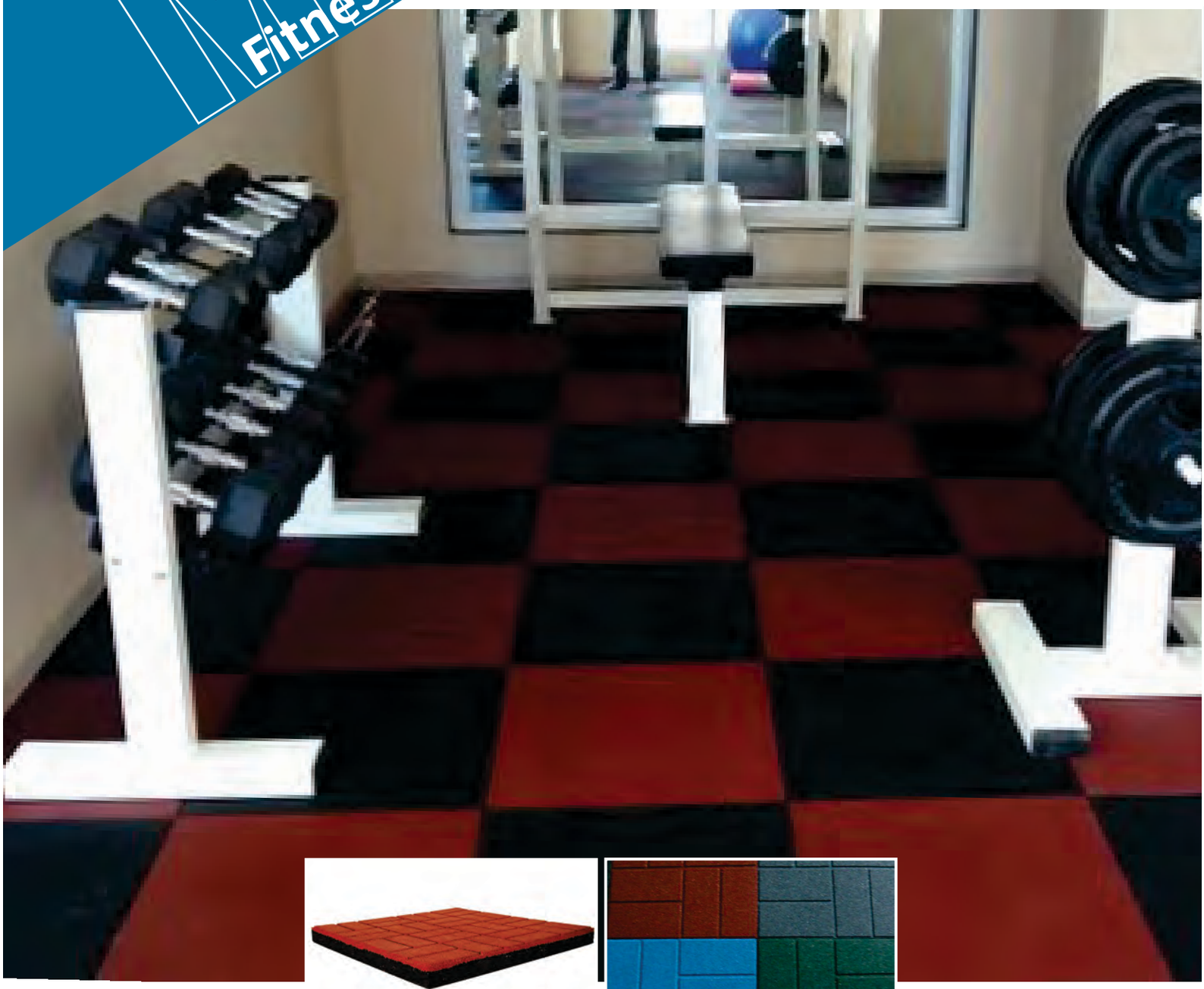
TRIAX 2015



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INTERLOCK



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RUBBER TILES/EPDM

INTERLOCK RUBBER TILES / EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100 % SBR rubber colored granules EPDM- topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1pc. = 9.6 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

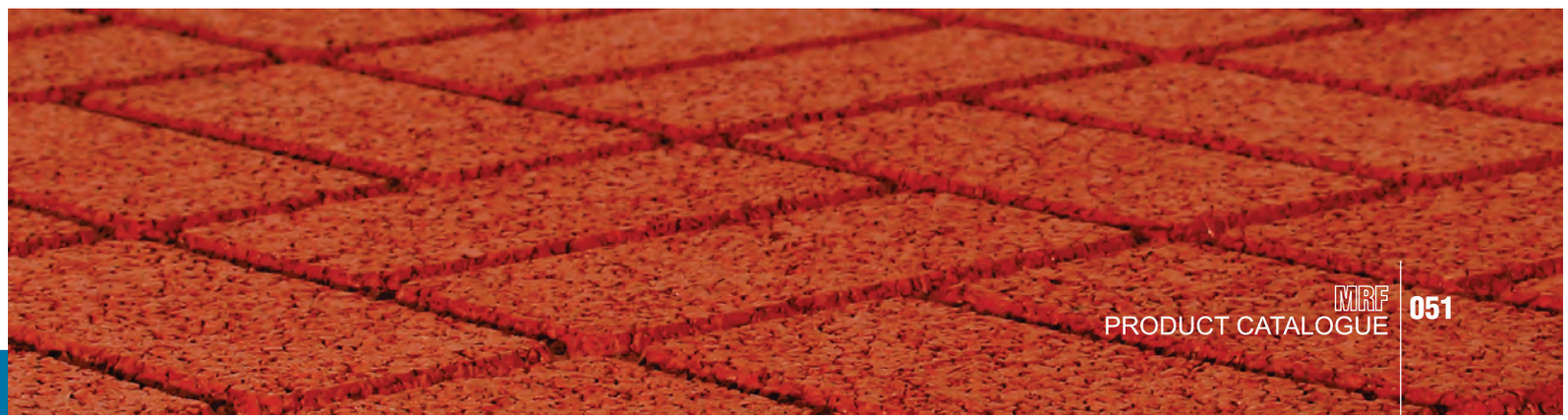
APPLICATION FIELDS:

- Foot walks from gym areas.
- Gym surface layering.
- Health club surfaces.
- Recreational center.

CHARACTERISTIC:

- The thickness gives high noise and impact resistance.
- Optimized ball rebounds.
- Homogeneous and weather proof.
- Low care and cleaning workload.
- Wear and slip resistant.

ASTM INTERNATIONAL



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Fitness & Gym

INTERLOCK



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RUBBER PAVERS

INTERLOCK RUBBER PAVERS

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	200x165x30.
Weight	:	0-72 kgs./pc. (varies on product requirement).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Sidewalks at fitness centers.
- Wheelchair routes.
- Locker and walkways in gym.
- Cardio training facilities.
- Outdoor fitness work outs.

CHARACTERISTIC:

- Easy to interconnect.
- Cushiony surface.
- Weather resistant.
- Versatile design and application.
- Shock absorbent surface.

ASTM INTERNATIONAL

Specification for the migration of certain noxious elements

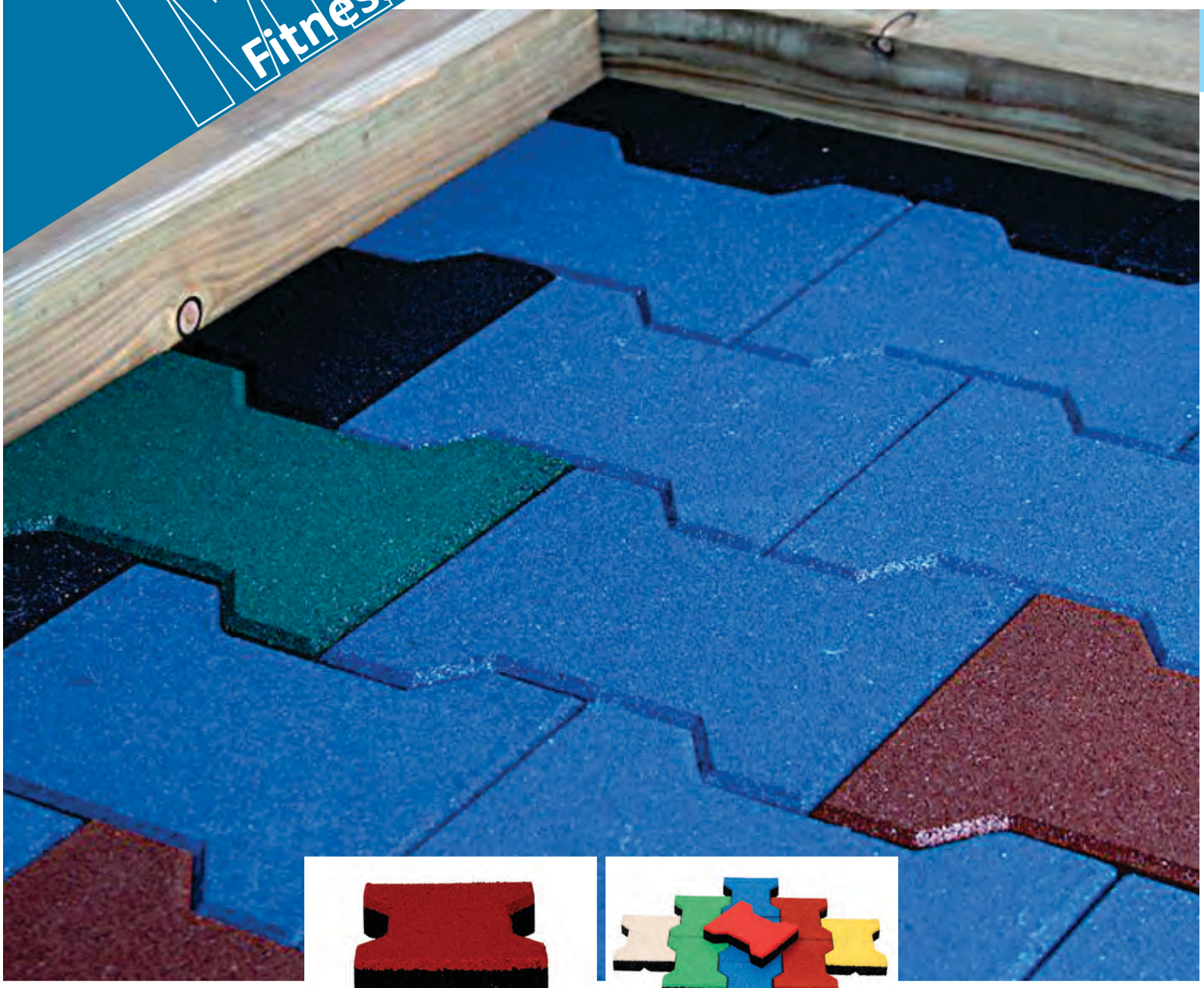
EN71-3



MRF

Fitness & Gym

INTERLOCK



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RUBBER PAVERS/EPDM

INTERLOCK RUBBER PAVERS / EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow, & Customize.
Dimension (mm)	:	200x165x40.
Weight	:	0-94 Kgs./pc.
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

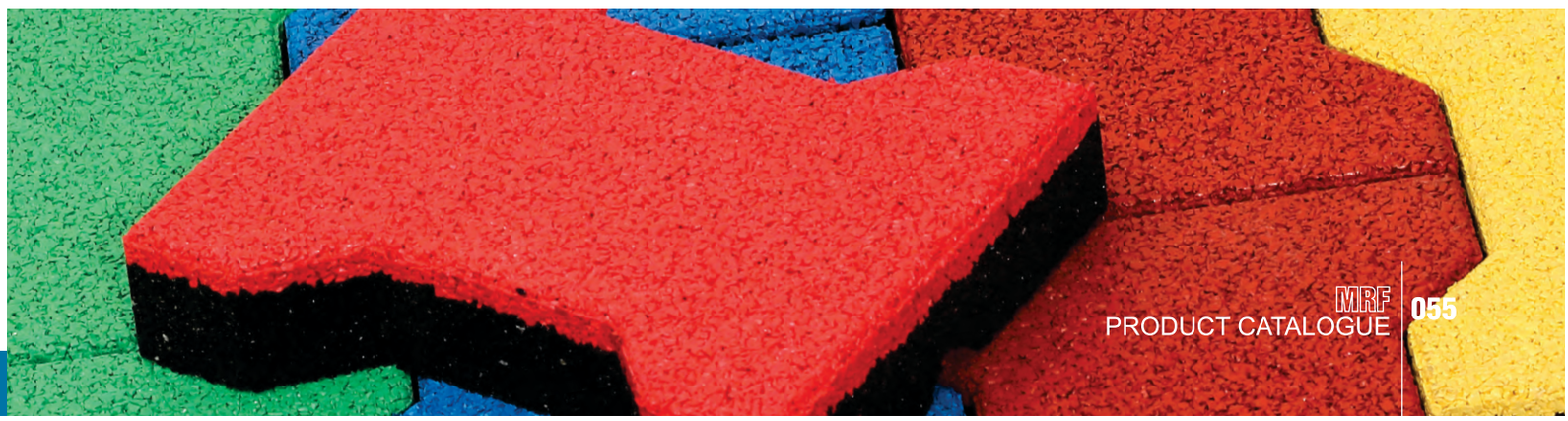
- Peripheral surface around table-tennis tables.
- Walk ways in ice skating rings.
- Locker and walkways in gym.
- Leisure and entertainment place.

CHARACTERISTIC:

- Reliable and constant impact protection.
- Long lasting, hard-wearing.
- Weather resistant.
- Versatile design and application.
- Sound-absorbing.

ASTM INTERNATIONAL

Specification for the migration of certain noxious elements EN71-3



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Fitness & Gym



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MULTI-PURPOSE MATS

MULTI-PURPOSE MATS | TECHNICAL DATA SHEET

PRODUCT:

Multipurpose Mat is manufactured with premium quality rubber matting. It is produced to meet the specification and demands of users that made it specified in providing comfort to equestrian and livestock. It protects the users from severe injuries, reduces the possibility of capped hocks. It is applicable in various fields, such as gym & fitness flooring, horses' stable, and even cattle.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	1000x1000x25.
Weight	:	31 Kgs./m².
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to short-term chemical exposure, Resistance to Heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

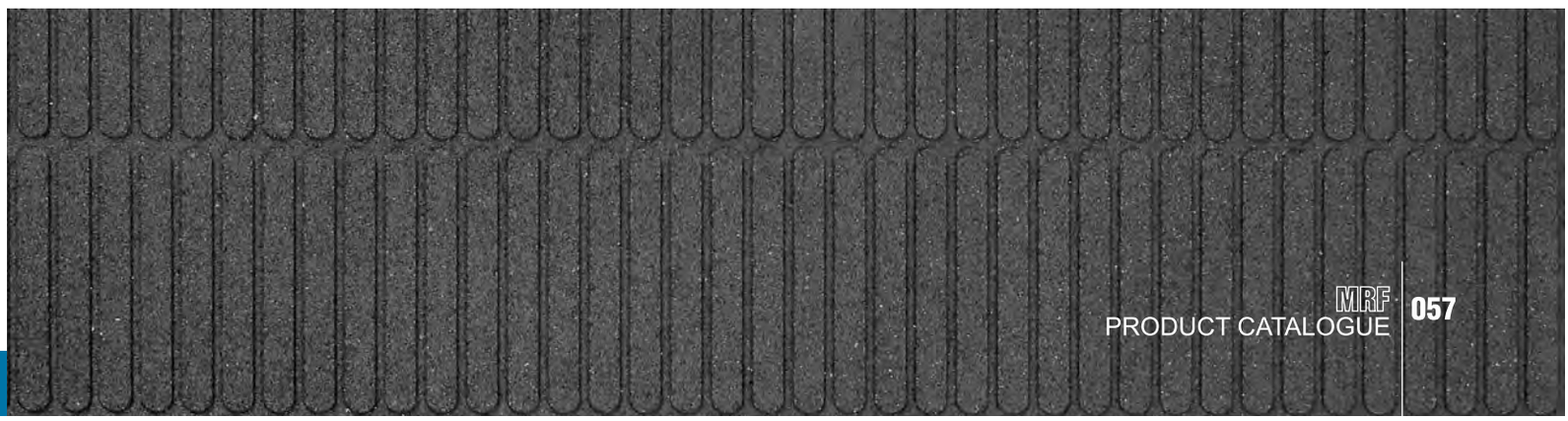
- Fitness centre, spa flooring.
- In house gym.
- High impact areas.
- Cross fit training facilities.

CHARACTERISTIC:

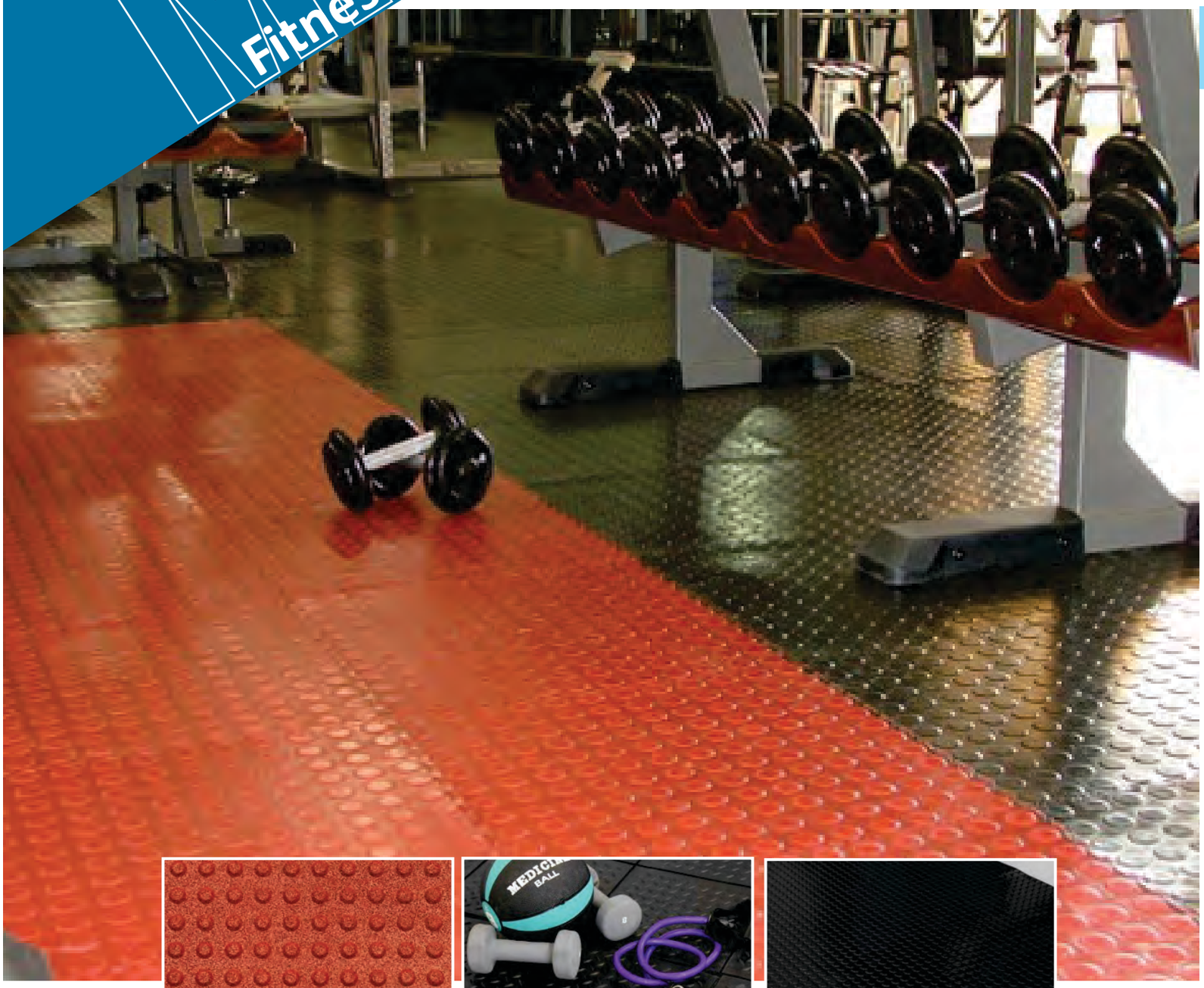
- Anti-slip flooring and permeable to water.
- Absolutely homogeneous surfaces, no variations in thickness.
- Dimensionally stable.
- Uniform force reduction across whole surface.
- Absorbs sound from impact and walking.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



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SAFETY TILES

SAFETY TILES | TECHNICAL DATA SHEET

PRODUCT:

Safety Tiles provide a distinctive surface pattern of truncated domes or detectable cones by long underfoot cane. Safety tiles are used to alert people with vision impairment of their approach to the streets/public roads or hazardous drop offs to raise their awareness of the danger ahead. Safety tiles are indicators found on many footpaths, stairs, shopping malls, airports, train station platforms for directional guidance, hazardous warning and assist vision impaired pedestrians.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x20, 500x1000x25 & 500x1000x30.
Weight	:	Varies from design needed. (e.g. 500x500x20 1 m^2 = 20 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

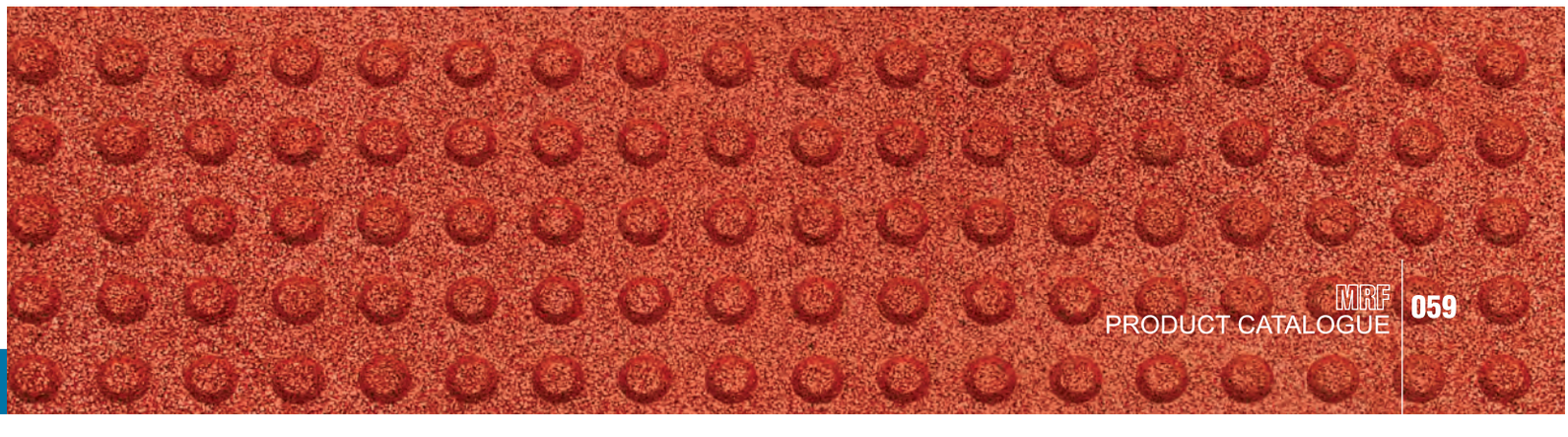
- Sports fields path ways.
- Locker rooms flooring.
- Indoor sports flooring.
- Leisure yard.
- Wash bays.

CHARACTERISTIC:

- Homogeneous surfaces.
- Flexible and at the same time durable.
- Resistance to weather.
- Low care and cleaning workload.
- Minimized risk of injuries.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Fitness & Gym



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ANTI-STUMBLE EDGE

ANTI-STUMBLE EDGE TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x40.
Design	:	Available design also in corners, left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (works with Rubber tiles & Rubber tiles EPDM).

- Gym floorings.
- Pathway from gym areas.
- Weight lifting surfaces.
- Incoming/outgoing ramp in gym.

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3



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ANTI-STUMBLE EDGE / EPDM

ANTI-STUMBLE EDGE / EPDM | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules EPDM- topped, down SBR colored granules EPDM-topped and down SBR granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x1000x45.
Design	:	Available design also in middle, left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x45 1pc. = 23 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (works with Rubber tiles & Rubber tiles EPDM).

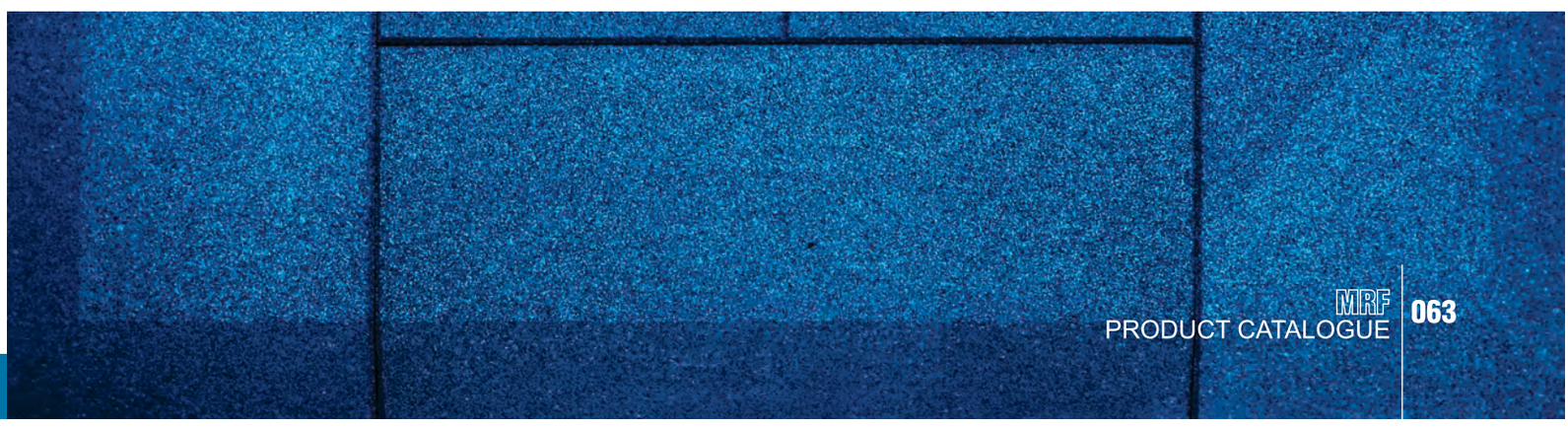
- Gym floorings.
- Pathway from gym areas.
- Weight lifting surfaces.
- Incoming/outgoing ramp in gym.

CHARACTERISTIC:

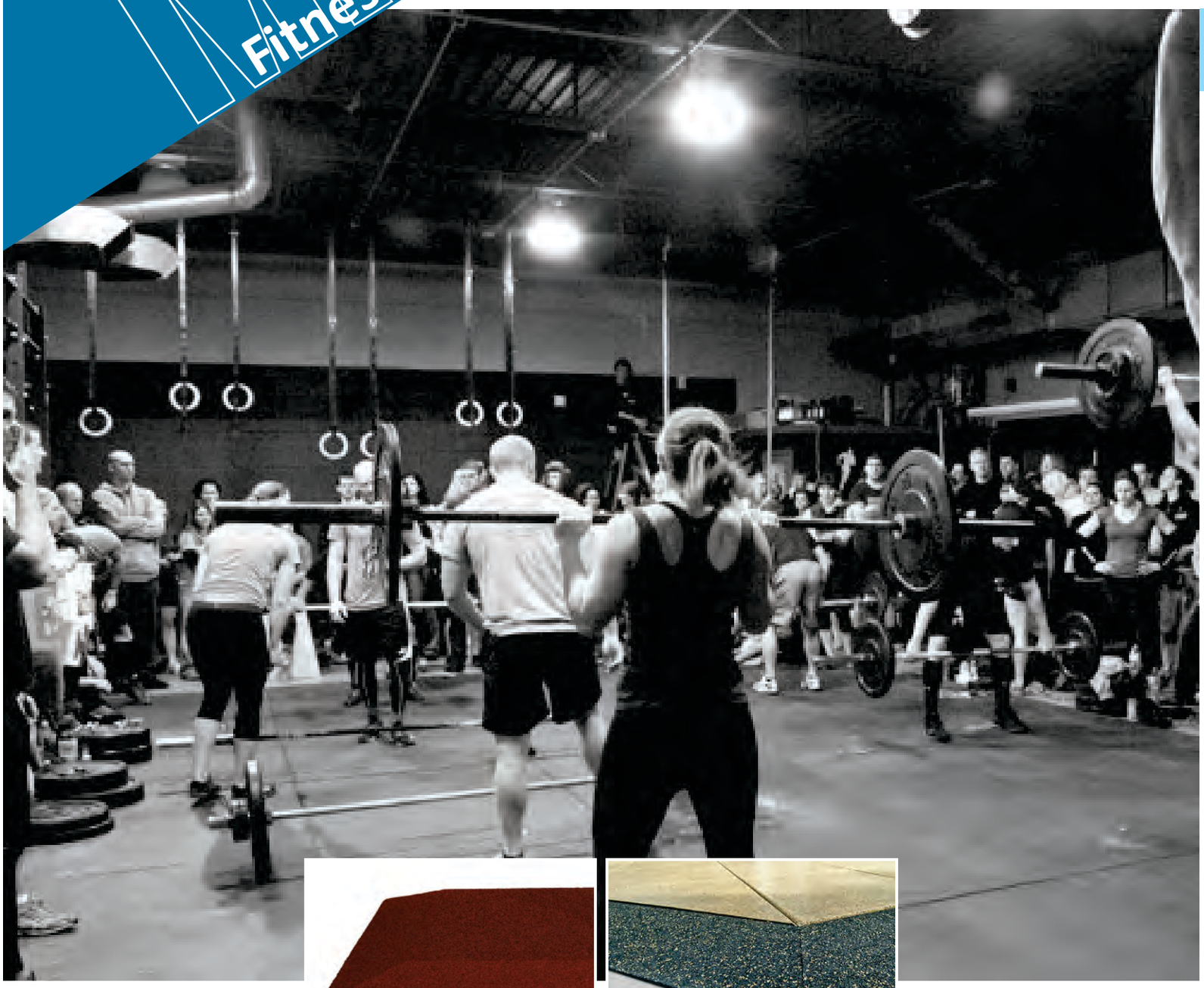
- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3



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ANTI-STUMBLE EDGE RT

ANTI-STUMBLE EDGE RT | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500 x 1000 x 40.
Design	:	Available design also in middle (edge) and left.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (works with Rubber tiles & Rubber tiles EPDM).

- Gym floorings.
- Pathway from gym areas.
- Weight lifting surfaces.
- Incoming/outgoing ramp in gym.

CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3



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ANTI-STUMBLE EDGE LF

ANTI-STUMBLE EDGE LF | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500 x 1000 x 40.
Design	:	Available design also in middle (edge) and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS: (works with Rubber tiles & Rubber tiles EPDM).

- Gym floorings.
- Pathway from gym areas.
- Weight lifting surfaces.
- Incoming/outgoing ramp in gym.



CHARACTERISTIC:

- Creates safe edging which prevents from accident.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements

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Roads & Buildings Infrastructure



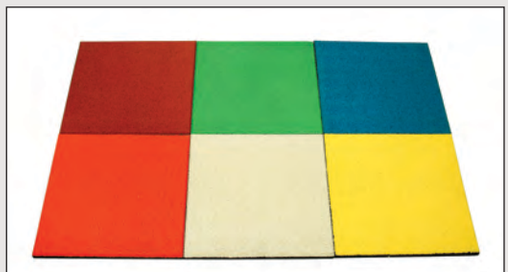
INSULATION RUBBER MAT



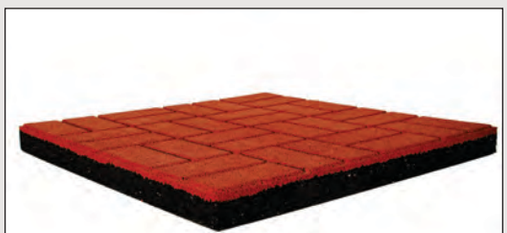
RUBBER GRANULES



RUBBER MULCH



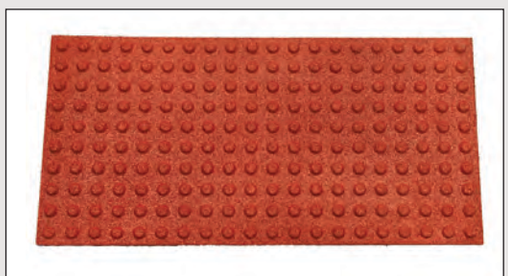
RUBBER TILE EPDM



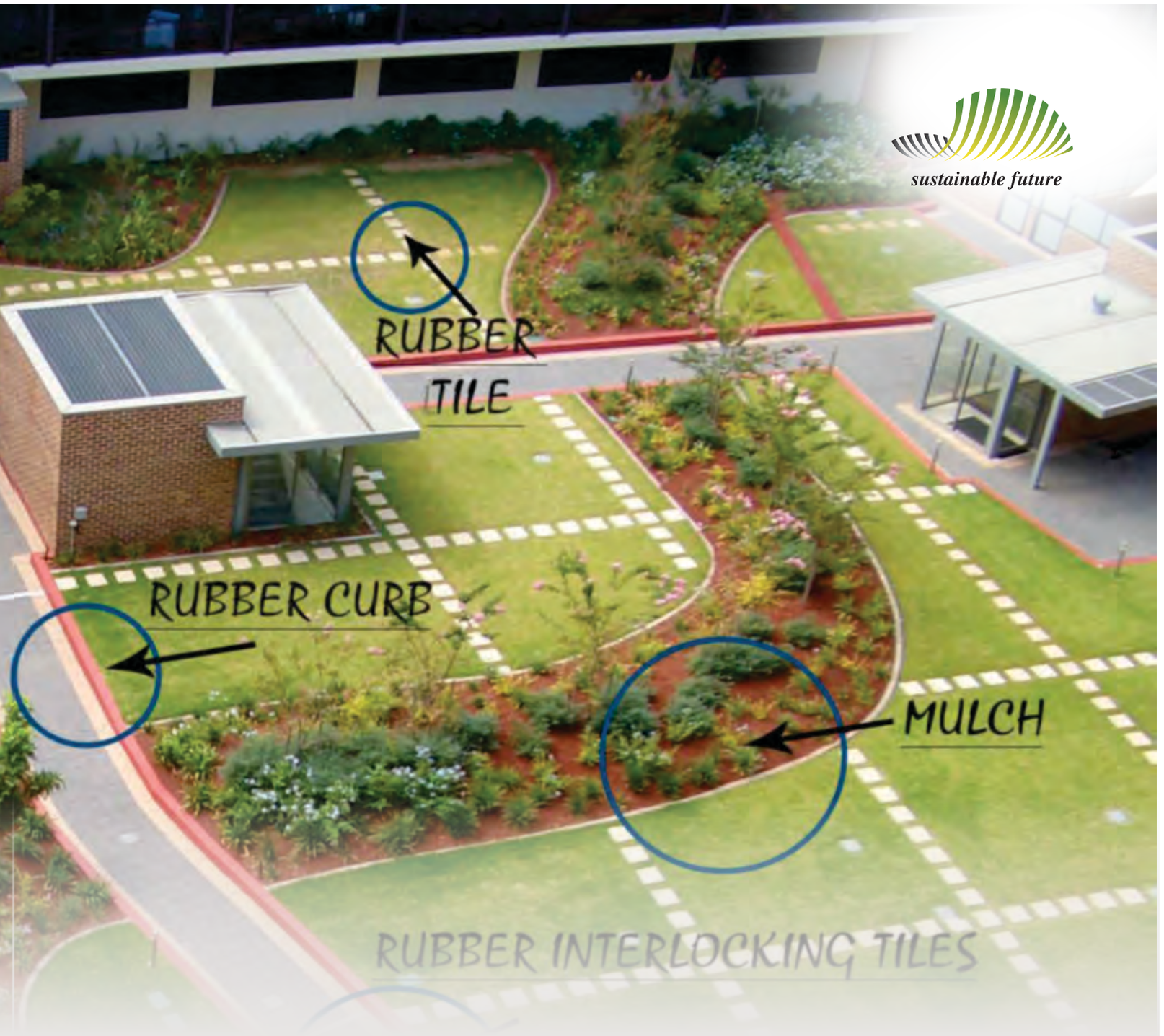
INTERLOCK RUBBER TILE EPDM



INTERLOCK RUBBER PAVERS/ EPDM



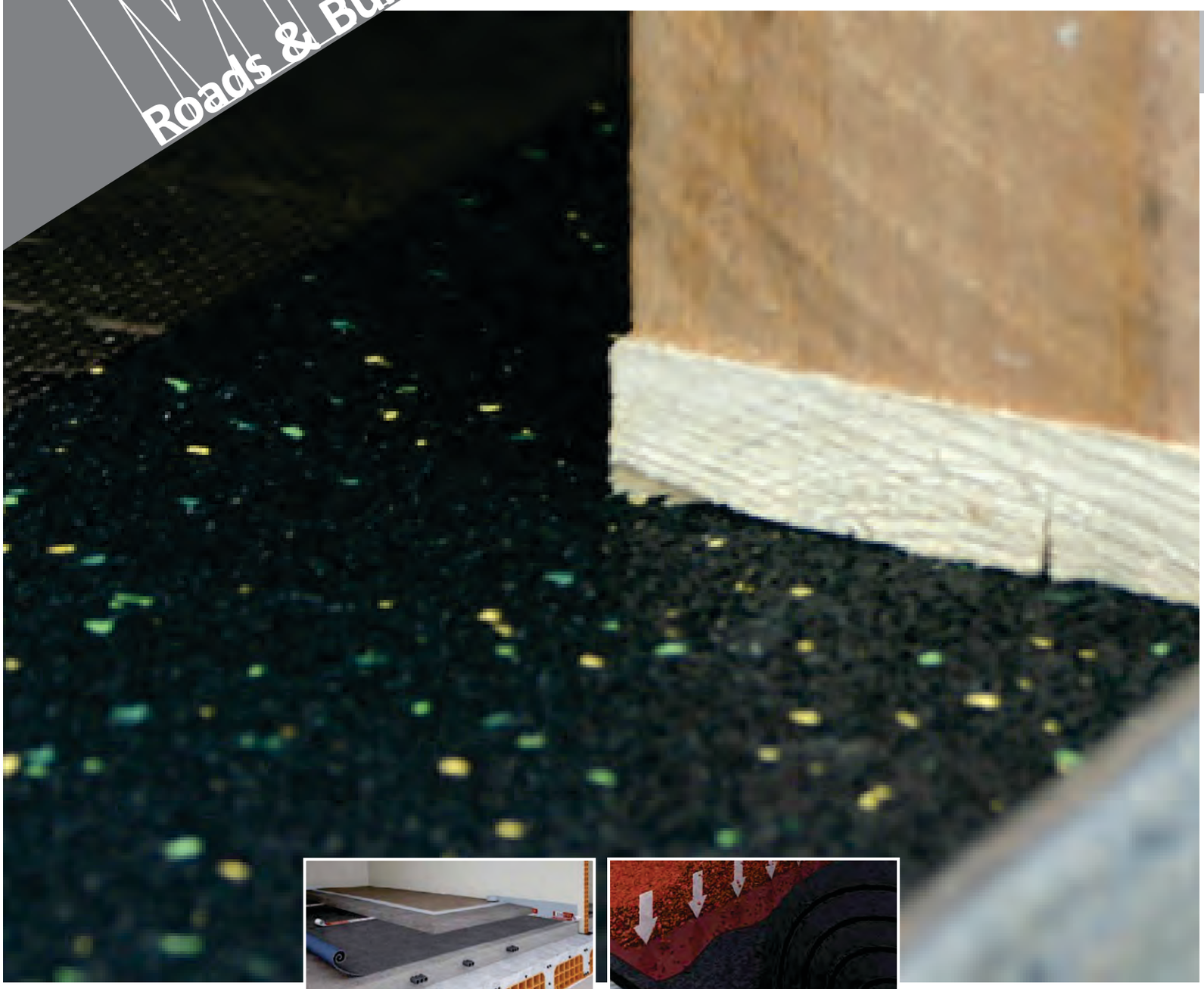
SAFETY TILE


sustainable future
RUBBER
TILE
RUBBER CURB
MULCH
RUBBER INTERLOCKING TILES

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Roads & Buildings Infrastructure

INSULATION



sustainable future

RUBBER MAT

INSULATION RUBBER MAT

TECHNICAL DATA SHEET

PRODUCT:

Insulation rubber mat is designed to provide a complete insulation of sound and noise. Premium grade of raw components is used for the manufacturing that is molded into the shape of sheets to meet the requirements of clients. These quality products have longer functional life, excellent resistance to temperature and highly flexible.

Availability ranges from: SBR rubber granules, Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Black (SBR) & Customize.
Dimension (mm)	:	1200x4, 1200x6 & 1200x8.
Weight	:	Varies from design needed. (e.g. 1200x6 1 m^2 = 5.1 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 & ISO 10577.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Walls.
- Floors - underlaying.
- Ceilings.

CHARACTERISTIC:

- Durable and sound proof.
- Protection for sub floor.

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Roads & Buildings Infrastructure



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RUBBER GRANULES

RUBBER GRANULES | TECHNICAL DATA SHEET

PRODUCT:

Rubber Granules are shredded and granulated from tyres. It is pure rubber free from textile and steel. It has a wide range of applications as an end product because it is used in other rubber products to shape and build them. It has a downstream conversation product. Rubber products are made 100% of rubber granules. It is free of any hazardous substances and has been put through laboratory tests.

Availability ranges from: 100% Rubber granules.

TECHNICAL PROPERTIES:		
Color	:	Black (SBR).
Dimension (mm)	:	2 - 4, 1 - 3, 0 - 2 (Customization can be done prior to customer's satisfaction).
Weight	:	1 Ton/bag.
Testing	:	Sieve shaker test.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

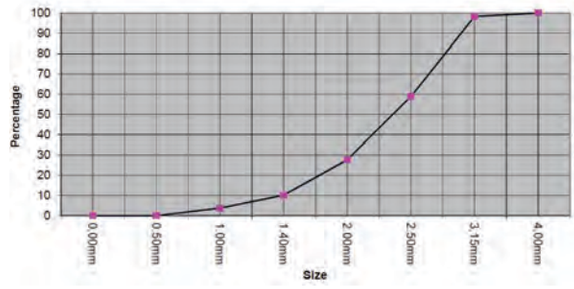
- Asphalt modification.
- Concrete modification.

CHARACTERISTIC:

- Prolongs the asphalt's life.
- Minimizes accidents.
- Drains water on the road when it is raining.
- Stands earthquake & strengthens the building's infrastructure.

Particle Size Distribution: (Example)

"10-30"	1.0-3.0mm(%)	1.0-3.0mm(%) acc.
4.00-5.00	0,00	100,00
3.15-4.00mm	1,69	100,00
2.50-3.15mm	39,52	98,31
2.00-2.50mm	31,08	58,79
1.40-2.00mm	17,57	27,71
1.00-1.40mm	6,42	10,14
0.50-1.00mm	3,72	3,72
0.00-0.50mm	0,00	0,00



Retsch
Solutions in Milling & Sieving



MRF

Roads & Buildings Infrastructure



sustainable future

RUBBER MULCH

RUBBER MULCH TECHNICAL DATA SHEET

PRODUCT:

Rubber Mulch is an innovative and Eco-friendly product. It is presentable and reflects a fashionable image of its usages to individuals. Rubber Mulch is a smart choice for mulch and ground covers of its applications. it is durable, cost-effective, low maintenance, eco-friendly and does not cause bugs/insects/ants to gather unlike the usage of other products. It is a perfect replacement of stone, wood mulch, and other ground cover materials. It plays a big role of kids safety in playgrounds and other areas.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	4 - 20, 20 - 60.
Weight	:	15 Kgs./bag.
Testing	:	ASTM G155 (Xenon Arc Light exposure of Non-metallic) EN 71-3 (Specification for migration of certain elements).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

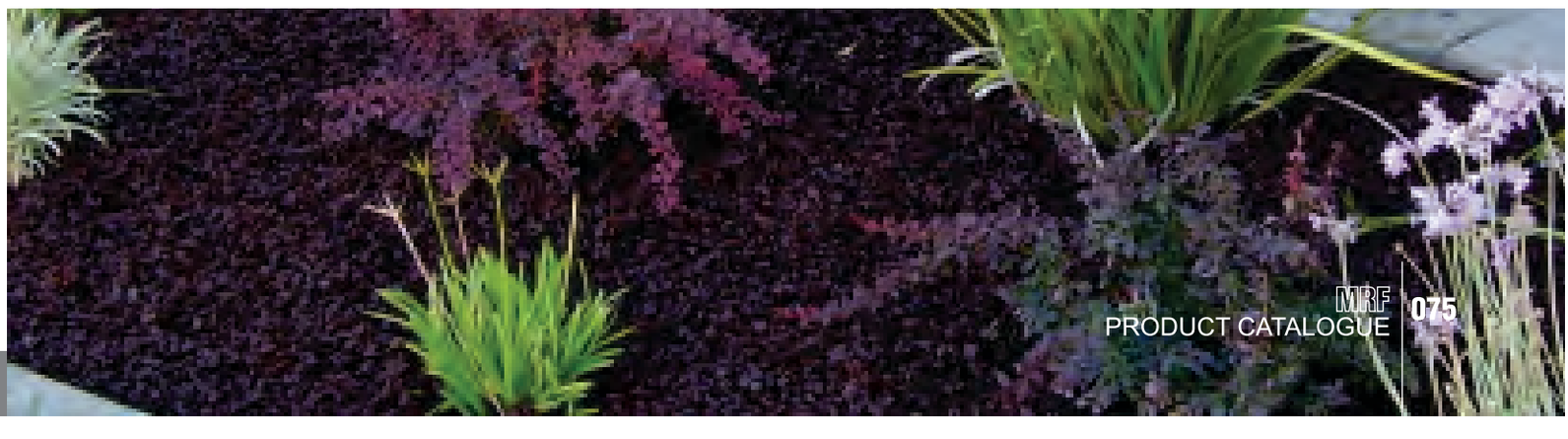
APPLICATION FIELDS:

- Playground.
- Landscape.
- Garden.

CHARACTERISTIC:

- Reduces injuries from fall.
- Creates a safer playground.
- Does not attract termites, ants or harmful wood destroying insects.
- Helps prevent weeds.
- Inhibits growth of molds and fungi.

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Roads & Buildings Infrastructure



sustainable future

RUBBER TILES/EPDM

RUBBER TILES/EPDM | TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped and down SBR granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x45, 500x1000x45 & 1000x1000x45.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x45 1 m^2 = 32 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Sidewalk.
- Playground.
- Terraces and patios.

CHARACTERISTIC:

- Impact resistant against dropping.
- Cushioning effect.
- Decorative, versatile and safe.
- Protects against serious head injuries.
- Super drainage capacity.

ASTM INTERNATIONAL

LABOSPORT

TÜV HELLAS TÜV NORD GROUP

kiwa

EN71-3

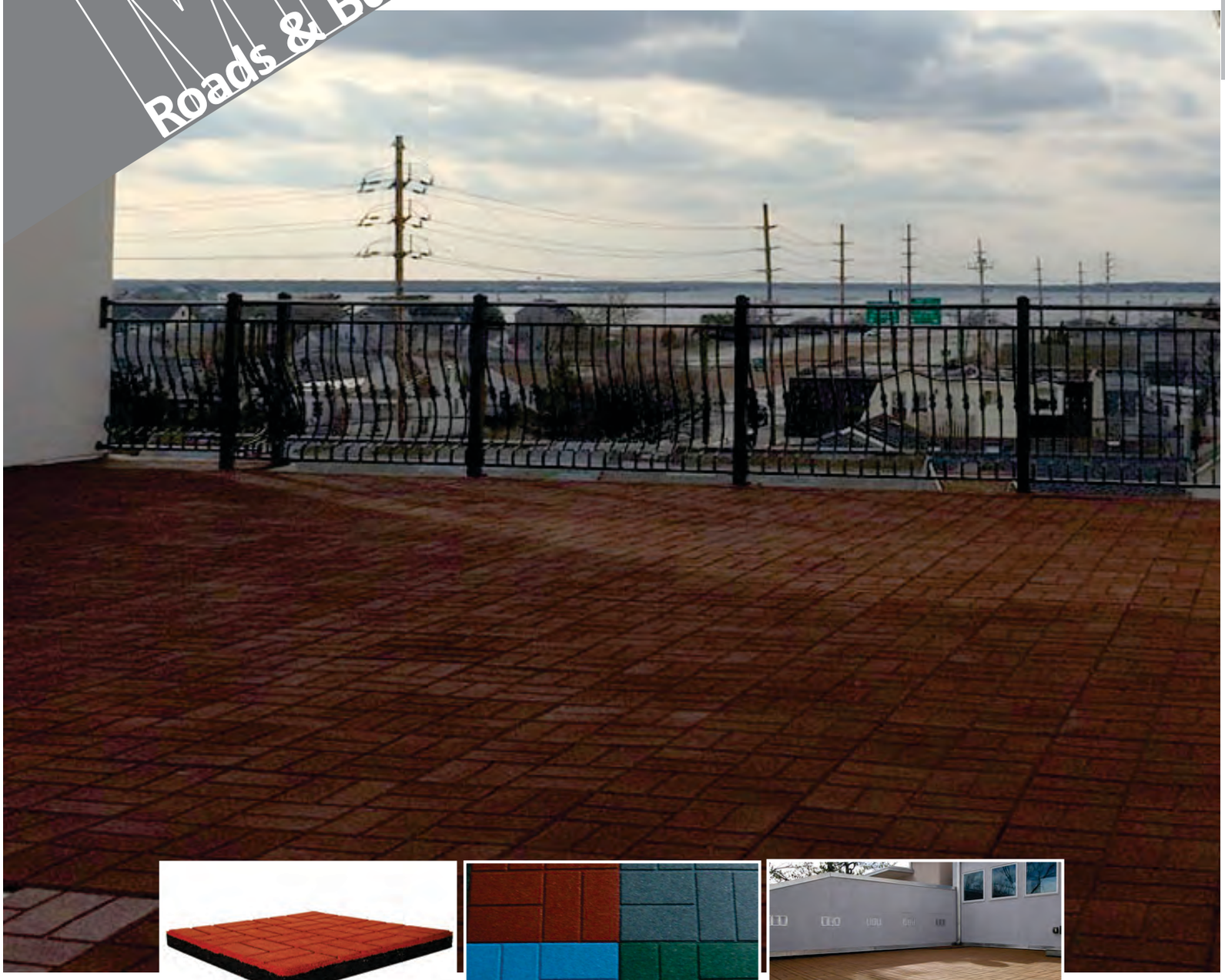
TRIAX 2015



MRF

Roads & Buildings Infrastructure

INTERLOCK



sustainable future

RUBBER TILES/EPDM

INTERLOCK RUBBER TILES / EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100 % SBR rubber colored granules EPDM- topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1pc. = 9.6 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Walking path.
- Access path.

CHARACTERISTIC:

- Impact resistant and noise resistant.
- Safety flooring.

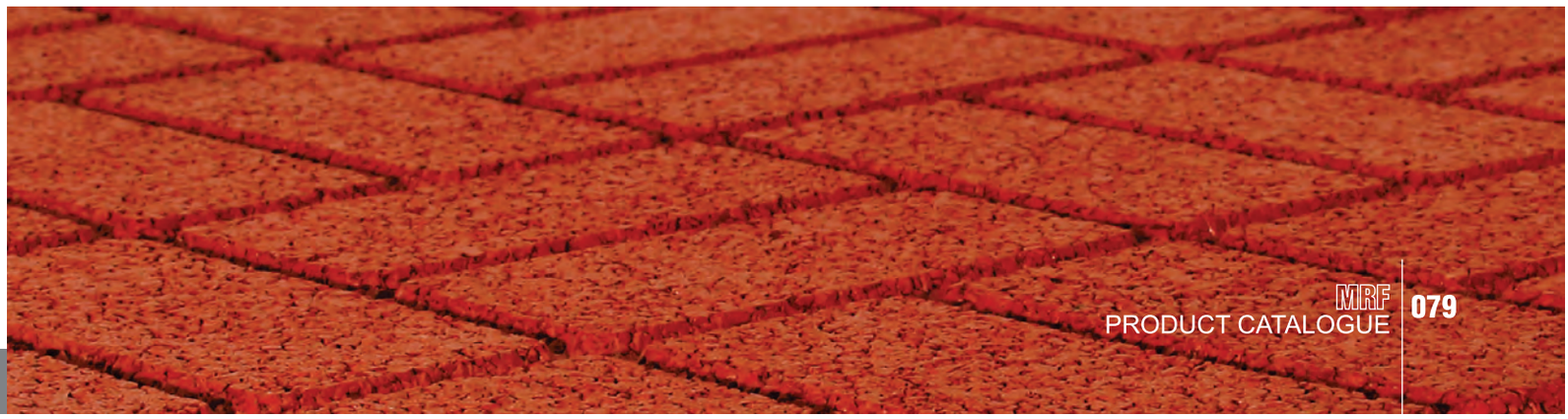
LABOSPORT

TÜV HELLAS TÜV NORD GROUP

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements

kiwa TRIAX 2015 IMPACT TESTING SYSTEMS



MRF

Roads & Buildings Infrastructure

INTERLOCK



sustainable future

RUBBER PAVERS/EPDM

INTERLOCK RUBBER PAVERS/EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules EPDM-topped, down SBR colored granules EPDM-topped, down SBR granules Customization can be acquired prior customer's satisfaction.

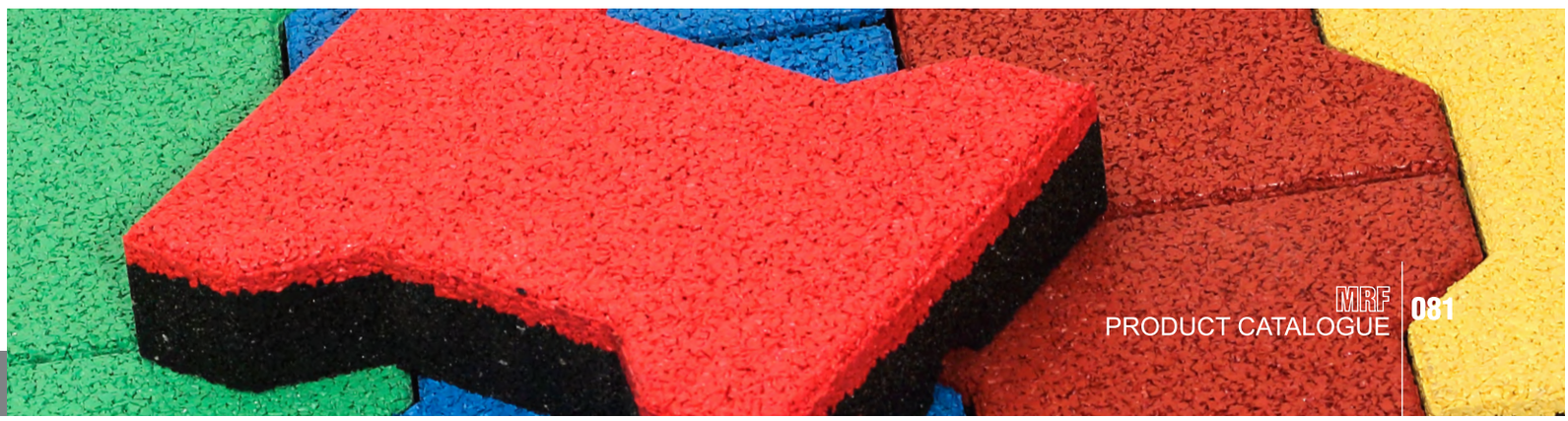
TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	200x165x40.
Weight	:	0-94 Kgs./pc.
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Hallways.
- Waiting area.

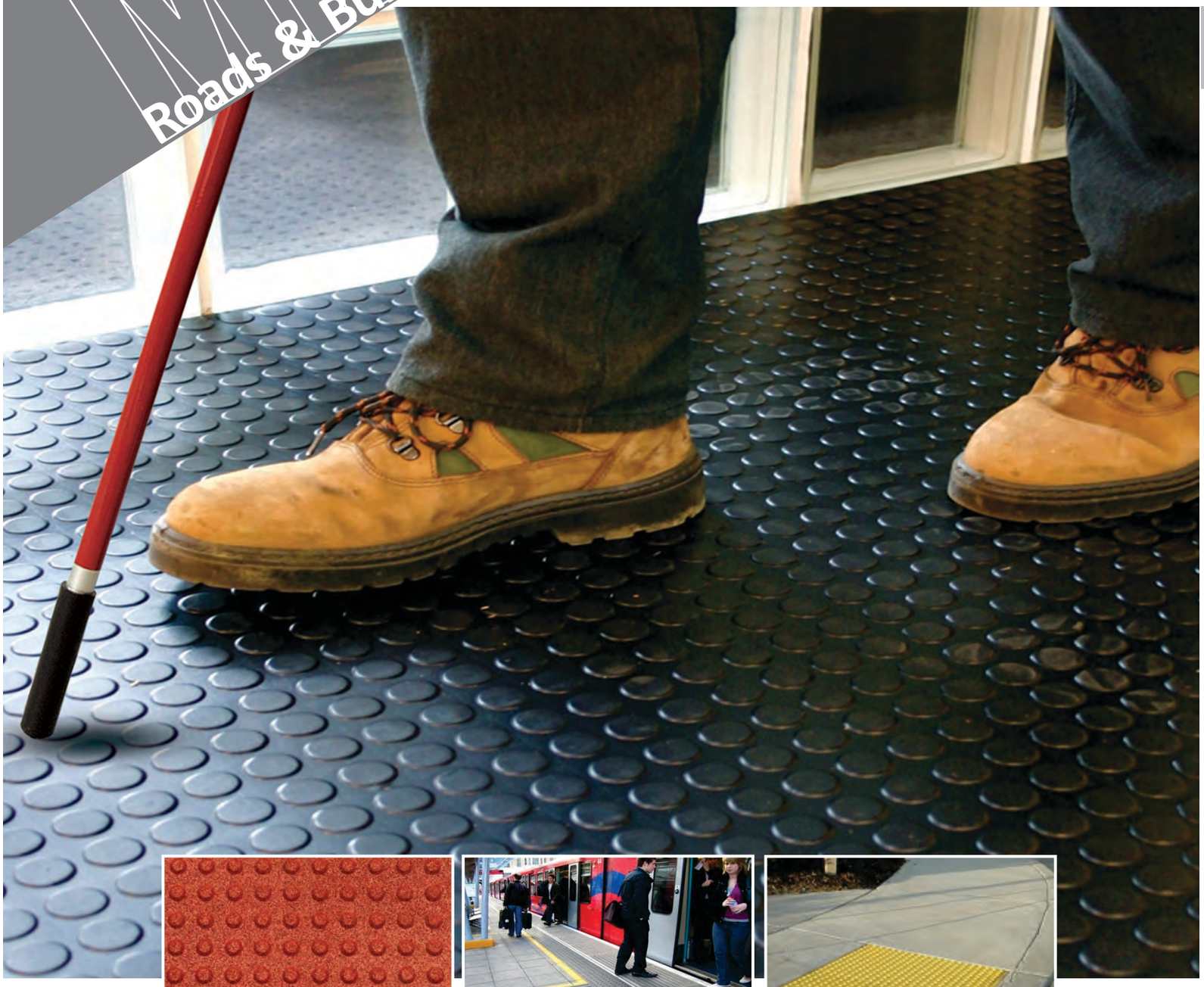
CHARACTERISTIC:

- Able to adapt in different application.
- Noise-absorbing.



MRF

Roads & Buildings Infrastructure



sustainable future

SAFETY TILES

SAFETY TILES | TECHNICAL DATA SHEET

PRODUCT:

Safety Tiles provide a distinctive surface pattern of truncated domes or detectable cones by long underfoot cane. Safety tiles are used to alert people with vision impairment of their approach to the streets/public roads or hazardous drop offs to raise their awareness of the danger ahead. Safety tiles are indicators found on many footpaths, stairs, shopping malls, airports, train station platforms for directional guidance, hazardous warning and assist vision impaired pedestrians.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR) , Green & Customize.
Dimension (mm)	:	500x1000x20, 500x1000x25 & 500x1000x30.
Weight	:	Varies from design needed. (e.g. 500x500x20 1 m^2 = 20 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

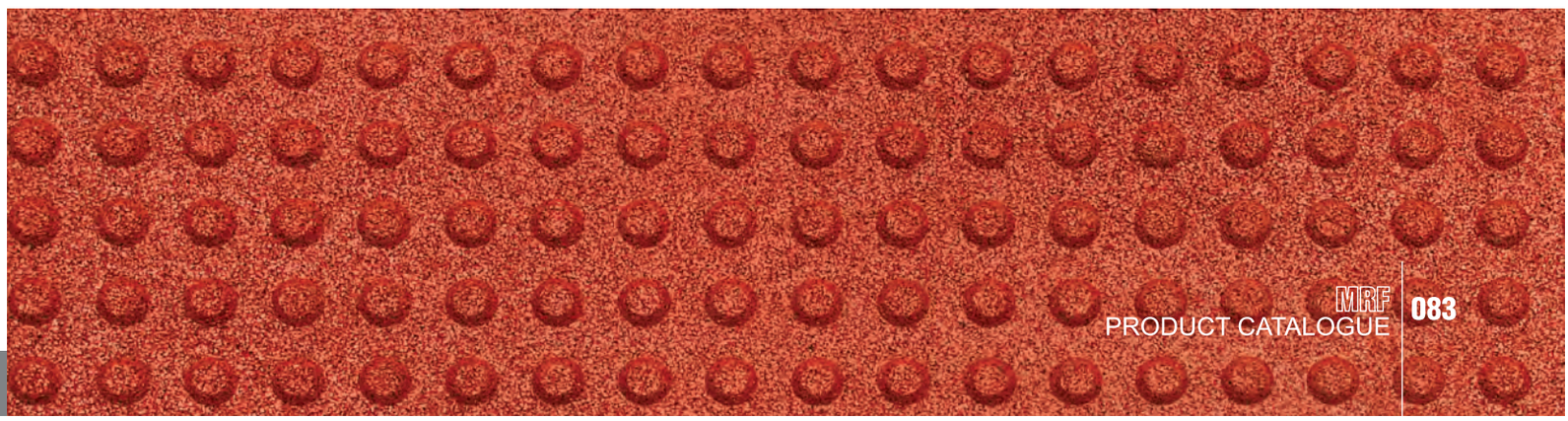
- Partition surfaces.
- Ground floorings.
- Deck walls.

CHARACTERISTIC:

- Seamless and non-skid surface.
- Minimize risk of injuries.
- Can be wet cleaned.

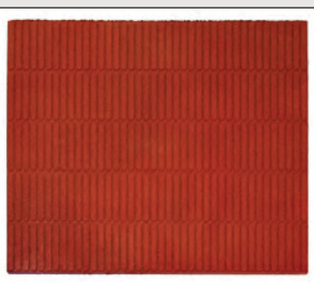
ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRE

Equestrian & Shooting Range



STABLE MAT



RUBBER SHEET



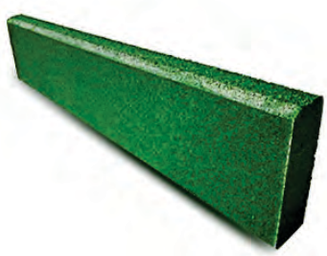
RUBBER TILE



ANTI-STUMBLE EDGE



ANTI-STUMBLE EDGE LF/RT



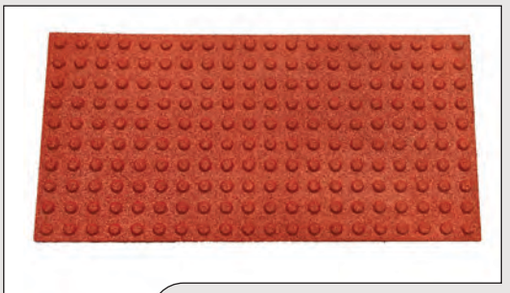
SANDPIT EDGING BLOCK



sustainable future



INTERLOCK RUBBER PAVERS



SAFETY TILE



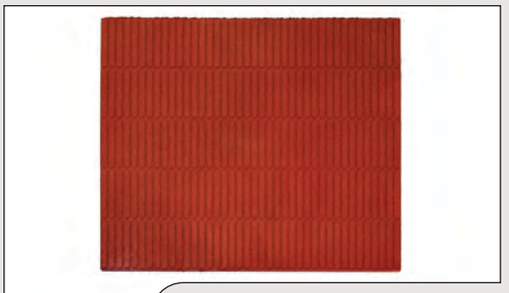
RUBBER MULCH



RUBBER GRANULES



INTERLOCK RUBBER TILE EPDM



MULTI PURPOSE MAT

MRF Equestrian



sustainable future

STABLE MAT

STABLE MAT | TECHNICAL DATA SHEET

PRODUCT:

Stable Mats are manufactured using a premium quality rubber matting. They are produced to meet the specification and demands of users that are focused on providing comfort to equestrian and livestock. They protect the users from injuries, reduce the possibility of capped hocks from occurring. They are applicable in various fields, such as gym flooring, horses stable, and cattle.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	1000x1000x25.
Weight	:	31 Kgs./m².
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Equestrian flooring.
- Parade yards and walk ways.
- Floor covering for barn corridors.
- Wash bays - washing areas.

ASTM INTERNATIONAL

CHARACTERISTIC:

- Permeable and extremely resilient.
- Back-to-back design.
- Ensures quiet environment.
- Abrasion resistant.
- Homogeneous surface.

EN71-3 Specification for the migration of certain noxious elements

MRF Equestrian



sustainable future

RUBBER SHEET

RUBBER SHEET TECHNICAL DATA SHEET

PRODUCT:

Rubber sheet is one of the most durable products for sport flooring and it stands repeated dropped weights. This product is shock absorbent, eco-friendly flooring that is made from high quality rubber and it comes with EPDM granules. It best works as a base, coated with polyurethane that creates a high-shock absorption and it makes it long lasting.

Availability ranges from: SBR rubber granules, EPDM-SBR mixed, Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	1200x4, 1200x6 & 1200x8.
Weight	:	Varies from design needed. (e.g. 1200x81 m^2 = 8.8 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 & ISO 10577.
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Stable walls.
- Horse float walls.
- Wash bays.
- Open stables or walkways.

CHARACTERISTIC:

- Isolates noise.
- Provides heat insulation.
- Sound proof.
- Cost-effective, reducing the amount of straw required.

MRF Equestrian



sustainable future

RUBBER TILES

RUBBER TILES TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. They come with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40 .
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1 m^2 = 25 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

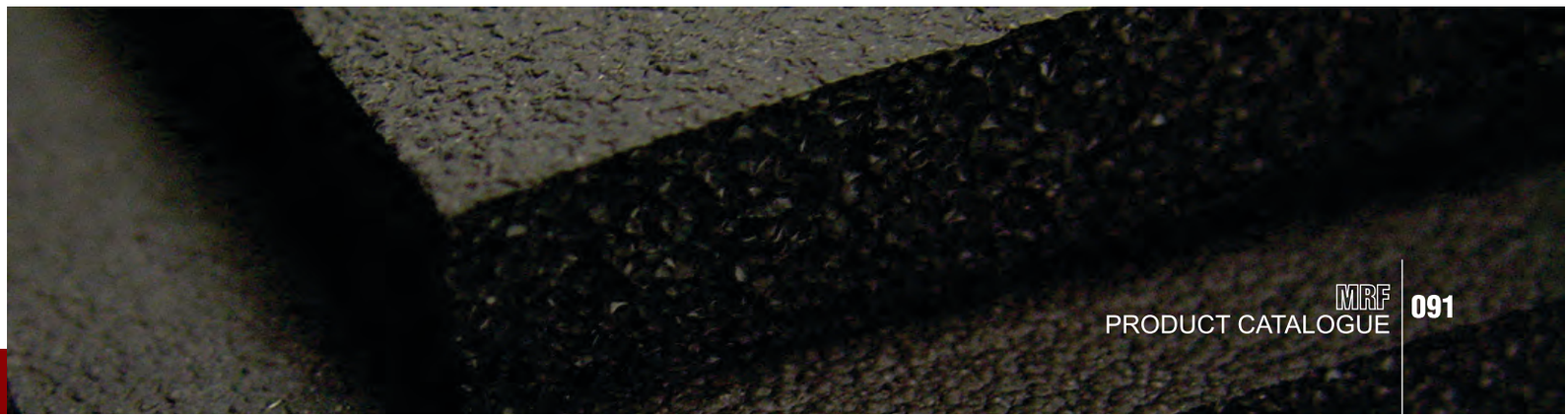
APPLICATION FIELDS:

- Stable walkways and floors.
- Open and free running stable.
- Paddocks and washing bays.
- Breeding barns.
- Horse float flooring.

CHARACTERISTIC:

- Provides excellent dimensional stability.
- Insulating against cold from the ground.
- Better stable atmosphere due to less noise.
- Improve non-slip surface due to softness and elasticity.

ASTM INTERNATIONAL
LABOSPORT
TÜV HELLAS TÜV NORD GROUP
EN71-3
kiwa
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ANTI-STUMBLE EDGE

ANTI-STUMBLE EDGE TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x40.
Design	:	Available design also in left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Indoor and outdoor stable areas.
- Entrance/exit - stable.
- Walking paths - stable.

ASTM INTERNATIONAL

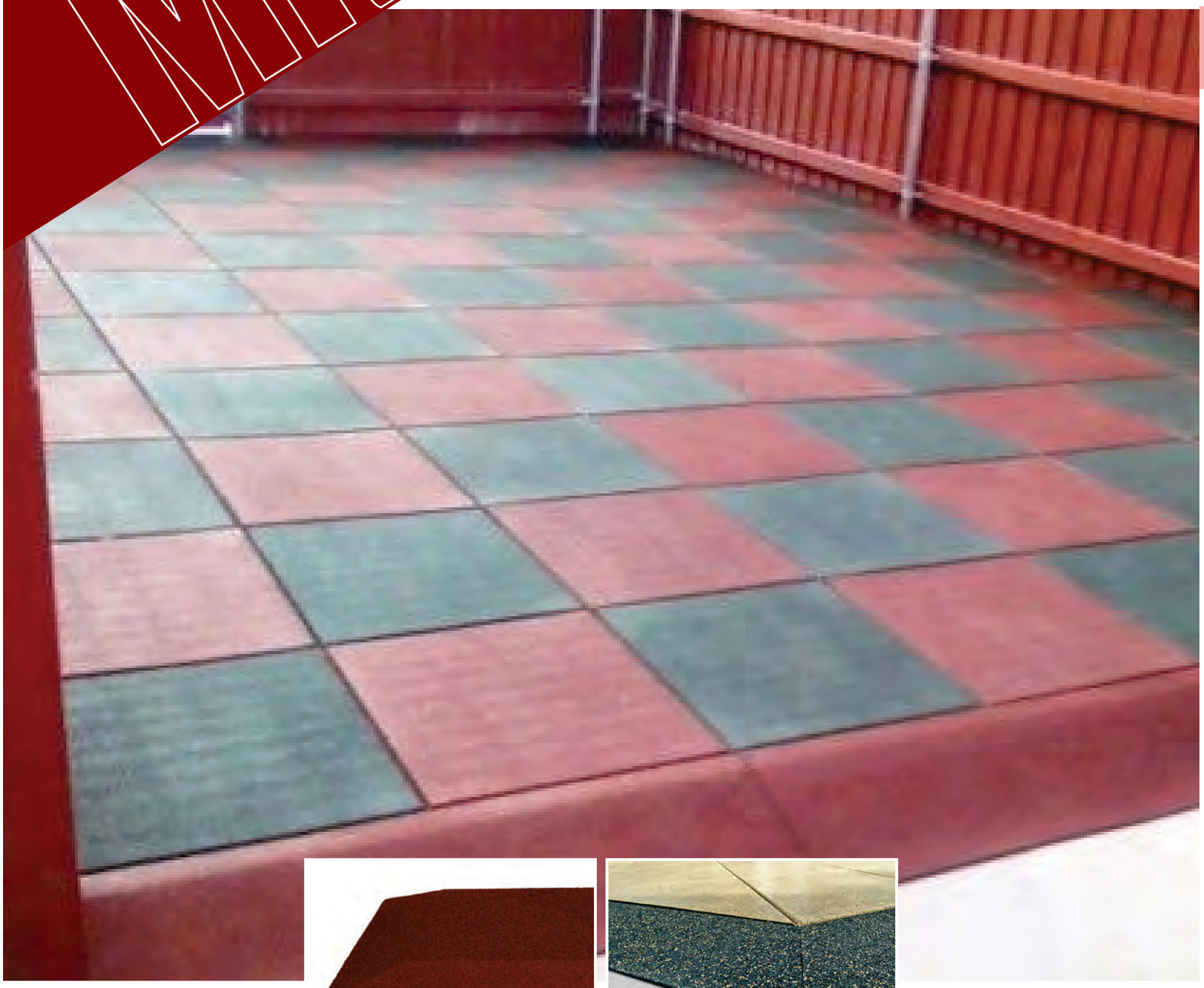
CHARACTERISTIC:

- Creates safe edging which easy for tire moving object.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

EN71-3 Specification for the migration of certain noxious elements



MRF Equestrian



sustainable future

ANTI-STUMBLE EDGE LF/RT

ANTI-STUMBLE EDGE LF/RT TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x40.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Design	:	Available design also in corners, left and right.
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:



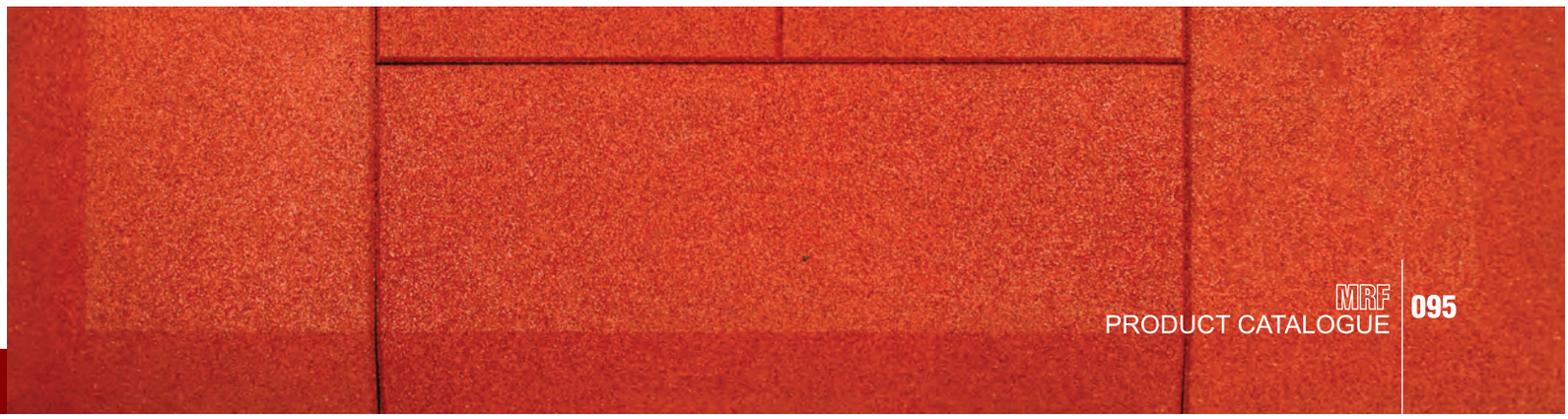
- Indoor and outdoor stable areas.
- Entrance/exit - stable.
- Walking paths - stable.

CHARACTERISTIC:

- Creates safe edging which easy for tire moving object.
- Reduce stumble accident.
- Beveled shape for easy access.
- Hard-wearing and weather proof.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF Equestrian

SANDPIT



sustainable future

EDGING BLOCK

SANDPIT EDGING BLOCK

TECHNICAL DATA SHEET

PRODUCT:

Sandpit Edging Block is designed to restrain areas with soft/hard materials such as sand/mud/grass from the surrounding terrain. It is a safe alternative for curbstone in running tracks because rubber reduces the risk of a serious injury from an accident. It works in outdoor sports activities, landscaping, gardens and patios.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	1000x190x50.
Weight	:	10 Kgs./pc.
Testing	:	Rectangular pseudo-shape top side.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Edging for stable floor.
- Side surface – horse float.
- Edging – stable tracks.

CHARACTERISTIC:

- Superior shock absorption properties.
- Sturdy for edging around different types.
- Low maintenance and easy to clean.



MRF Equestrian

INTERLOCK



sustainable future

RUBBER PAVERS

INTERLOCK RUBBER PAVERS

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	200x165x30.
Weight	:	0-72 Kgs./pc. (varies on product requirement).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Paddocks.
- Cowshed surfaces.
- Housing livestock.
- Straw staging area.

CHARACTERISTIC:

- Good in quality performance.
- Endured for a long period of time.
- Weather resistant.
- Able to adapt in different application.
- Noise-absorbing.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF Equestrian



sustainable future

SAFETY TILES

SAFETY TILES | TECHNICAL DATA SHEET

PRODUCT:

Safety Tiles provides a distinctive surface pattern of truncated domes or detectable cones by long underfoot cane. It is used to alert people with vision impairment of their approach to the streets/public roads or hazardous drop offs to raise their awareness of the danger ahead. Safety tiles are indicators found on many footpaths, stairs, shopping malls, airports, train station platforms for directional guidance, hazardous warning and assist vision impaired pedestrians.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x20, 500x1000x25 & 500x1000x30.
Weight	:	Varies from design needed. (e.g. 500x500x20 1 m^2 = 20 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

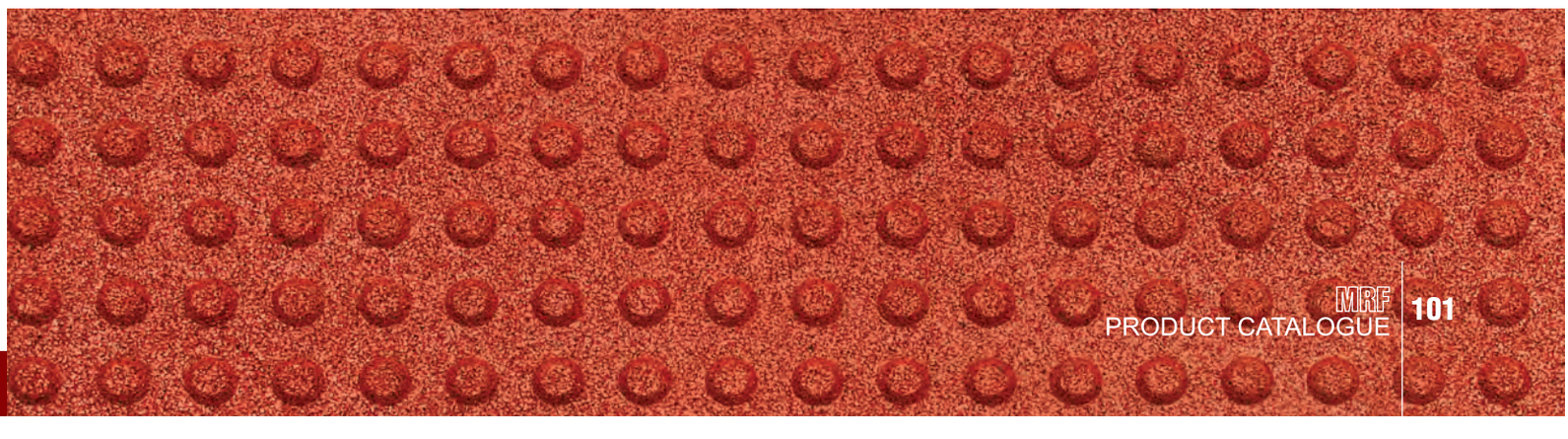
- Equestrian - path ways.
- Box stall underlaying.
- Barn corridors.
- New born foal flooring.

CHARACTERISTIC:

- Seamless and non-skid surface.
- Clean appearance and will not rot.
- Sure-footed and non-slip.
- Minimize risk of injuries.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Shooting Range



sustainable future

RUBBER SHEET
(Insulation Rubber Mat)

RUBBER SHEET | TECHNICAL DATA SHEET

PRODUCT:

Rubber sheet is one of the most durable products for sport flooring and it stands repeated dropped weights. This product is shock absorbent, eco-friendly flooring that is made from high quality rubber and it comes with EPDM granules. It best works as a base, coated with polyurethane that creates a high-shock absorption and it makes it long lasting.

Availability ranges from: SBR rubber granules, EPDM-SBR mixed, Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	1200x4, 1200x6 & 1200x8.
Weight	:	Varies from design needed. (e.g. 1200x81 m^2 = 8.8 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 & ISO 10577.
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

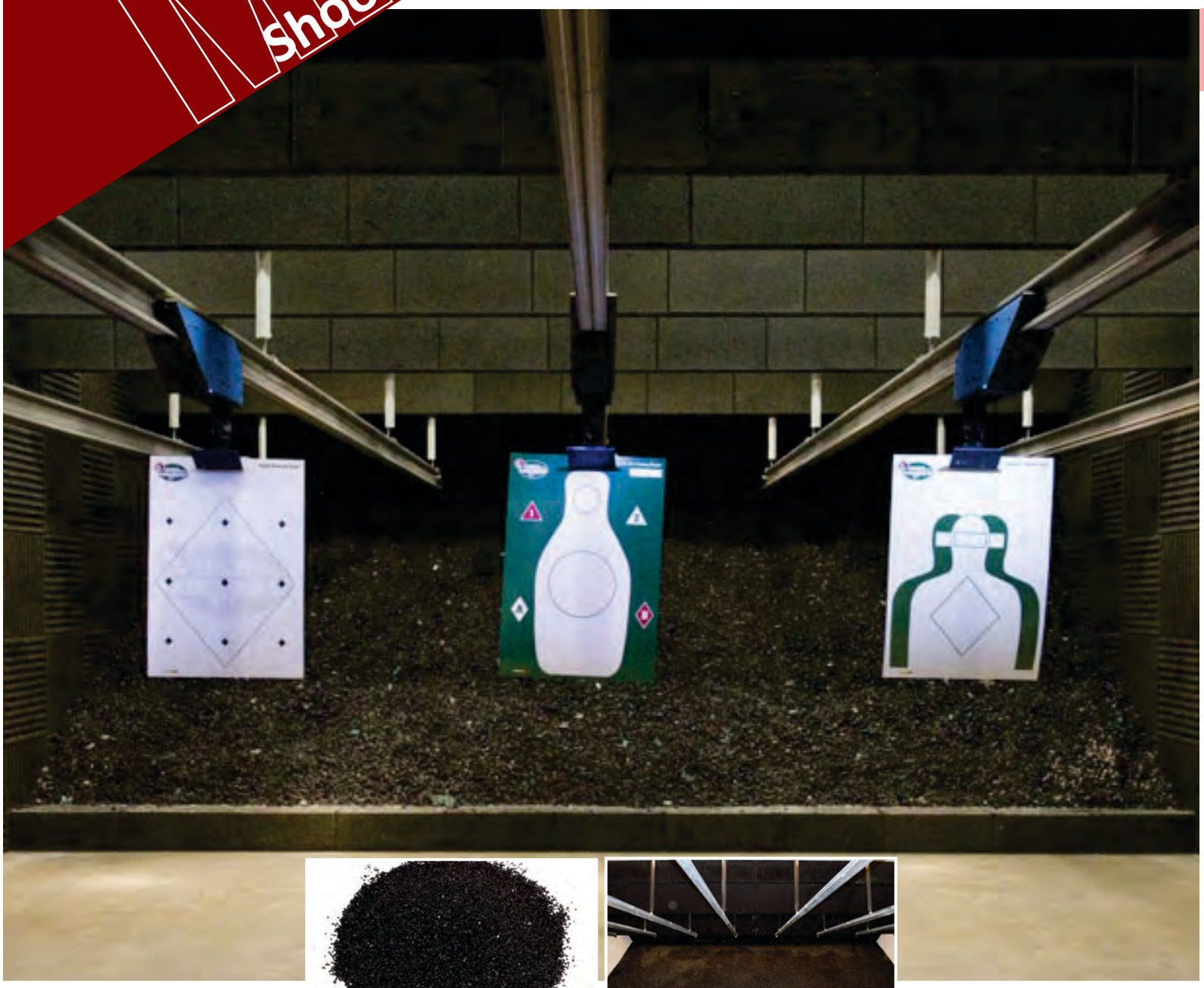
APPLICATION FIELDS:

- Walls.
- Floors.
- Ceilings.

CHARACTERISTIC:

- Isolates noise.
- High resistance to wear.
- Suitable for indoor and outdoor applications.
- Weather resistant.

MRF
Shooting Range



sustainable future

RUBBER GRANULES
(DIRECT SHOOTING)

RUBBER GRANULES | **TECHNICAL DATA SHEET**

PRODUCT:

Rubber Granules are shredded and granulated from tyres. It is pure rubber free from textile and steel. It has a wide range of applications as an end product because it is used in other rubber products to shape and build them. It has a downstream conversation product. Rubber products are made 90% to 100% of rubber granules. It is free of any hazardous substances and has been put through laboratory tests.

Availability ranges from: 100% Rubber granules.

TECHNICAL PROPERTIES:		
Color	:	Black (SBR).
Dimension (mm)	:	2 - 4, 1 - 3, 0 - 2 (Customization can be done prior to customer's satisfaction).
Weight	:	1 ton./bag.
Testing	:	Sieve shaker test.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Shooting range – bullet traps.
- Rubber berm traps.

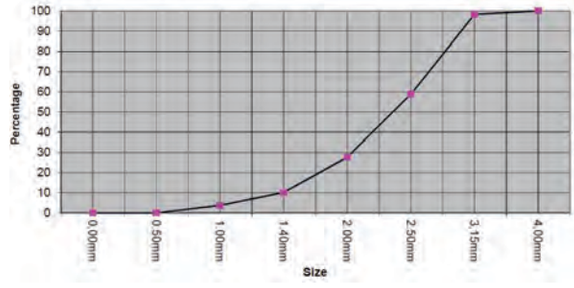
CHARACTERISTIC:

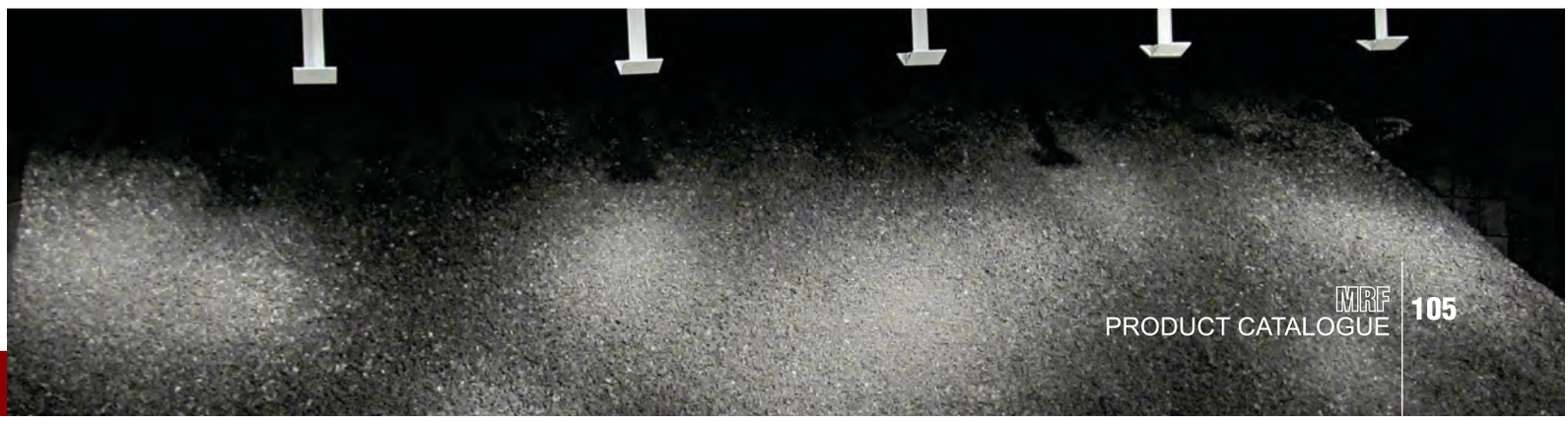
- Reduce noise level on range.
- Recyclable.

Retsch®
Solutions in Milling & Sieving

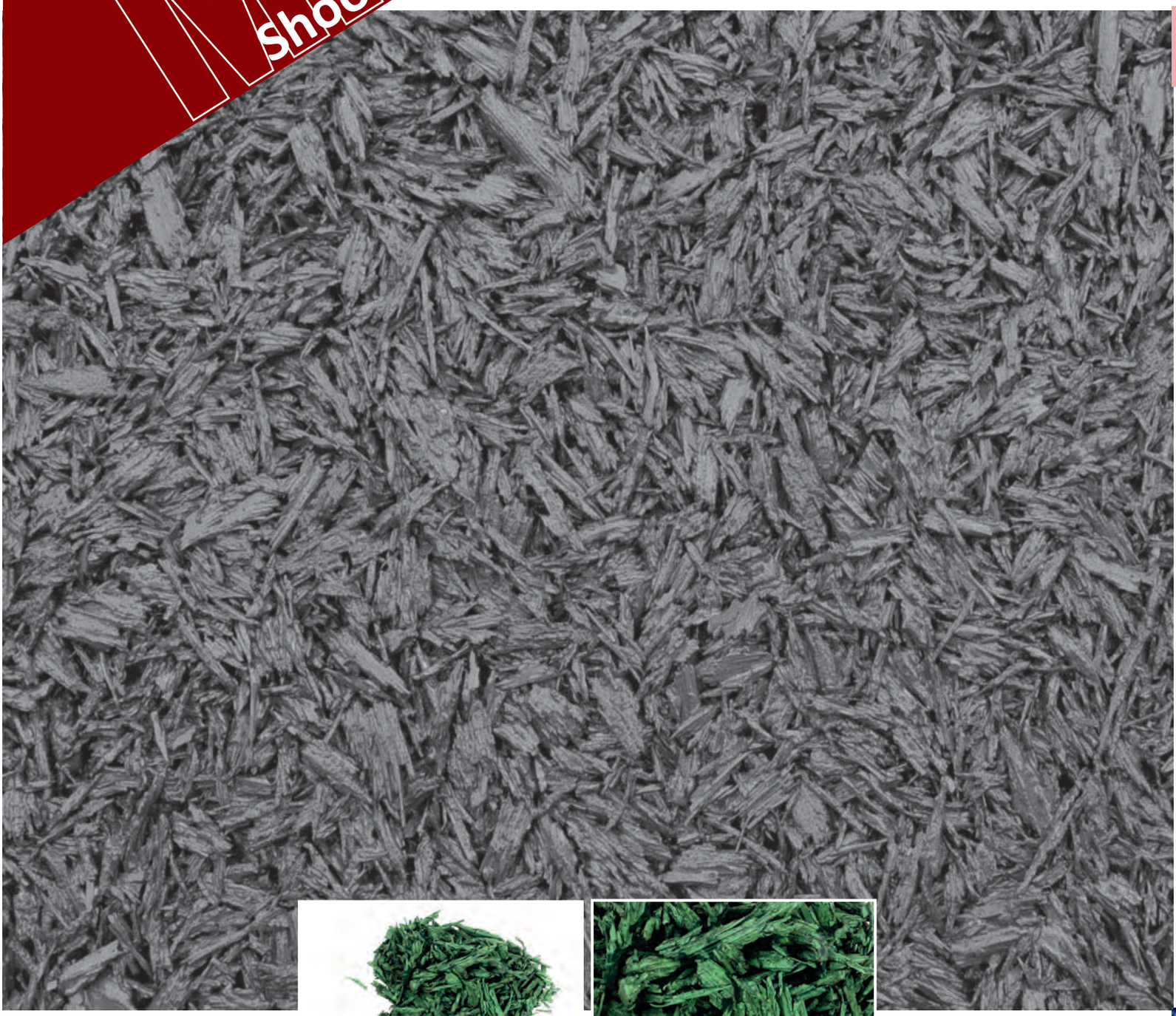
Particle Size Distribution: (Example)

"10-30"	1.0-3.0mm(%)	1.0-3.0mm(%) acc.
4.00-5.00	0,00	100,00
3.15-4.00mm	1,69	100,00
2.50-3.15mm	39,52	98,31
2.00-2.50mm	31,08	58,79
1.40-2.00mm	17,57	27,71
1.00-1.40mm	6,42	10,14
0.50-1.00mm	3,72	3,72
0.00-0.50mm	0,00	0,00





MRF
Shooting Range



sustainable future

RUBBER MULCH
(DIRECT SHOOTING)

RUBBER MULCH TECHNICAL DATA SHEET

PRODUCT:

Rubber Mulch is an innovative and Eco-friendly product. It is presentable and reflects a fashionable image of its usages to individuals. Rubber Mulch is a smart choice for mulch and ground covers of its applications. it is durable, cost-effective, low maintenance, eco-friendly and does not cause bugs/insects/ants to gather unlike the usage of other products. It is a perfect replacement of stone, wood mulch, and other ground cover materials. It plays a big role of kids safety in playgrounds and other areas.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	4 - 20, 20 - 60.
Weight	:	15 Kgs./bag.
Testing	:	ASTM G155 (Xenon Arc Light exposure of Non-metallic) EN 71-3 (Specification for migration of certain elements).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

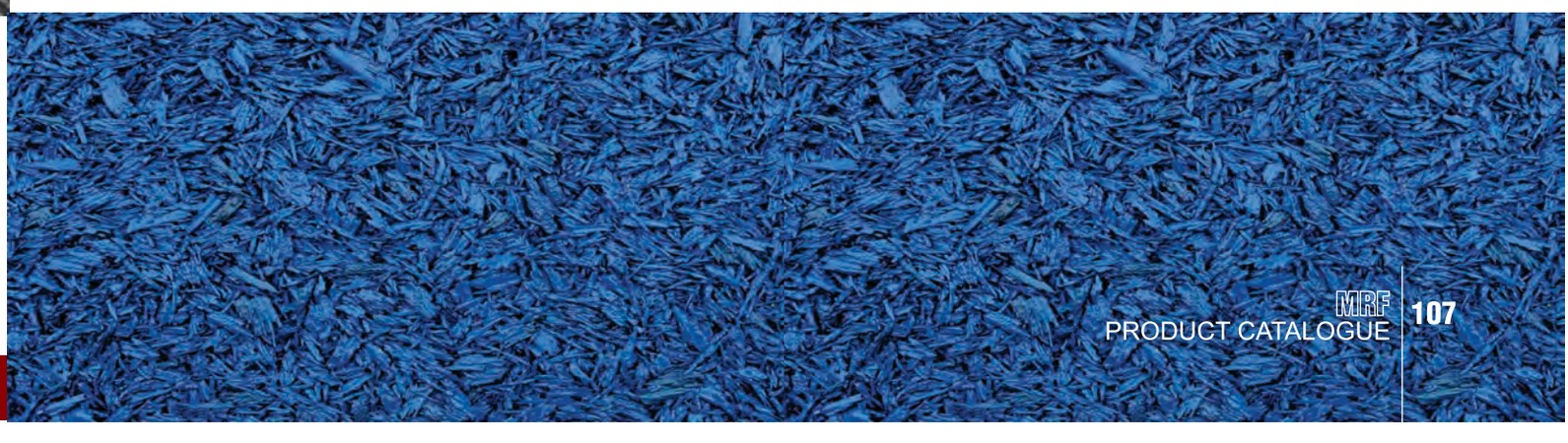
- Shooting range – bullet traps.
- Rubber berm traps.

CHARACTERISTIC:

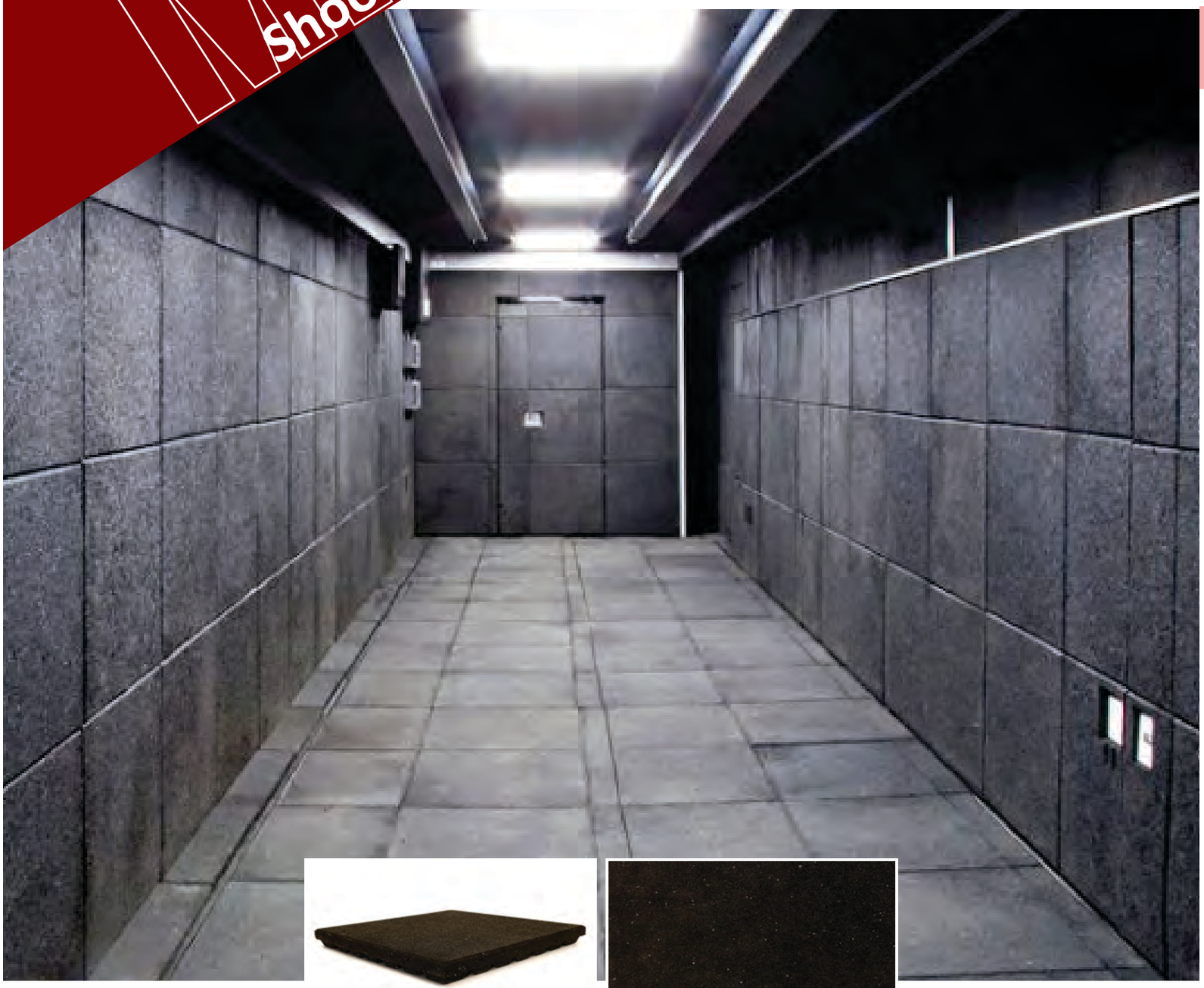
- Does not attract termites.
- Reduce noise level on range.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Shooting Range



sustainable future

RUBBER TILES

RUBBER TILES | TECHNICAL DATA SHEET

PRODUCT:

Rubber tiles are an excellent alternative to conventional surfaces. They are designed for high impact tolerence and tested under certain standards to meet customer satisfaction. It comes with connector pins that are designed for a maximum interlocking to all sides and they prevent the product from curving, they create a high-shock absorption and prolong the product's life.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1 m^2 = 25 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Walls.
- Floors.
- Ceilings.
- Direct Shooting.

CHARACTERISTIC:

- Prevents rebounds of penetrated projectiles.
- anti-ricochet protection.
- elastic material means no visible bullet.
- Sound Proof.

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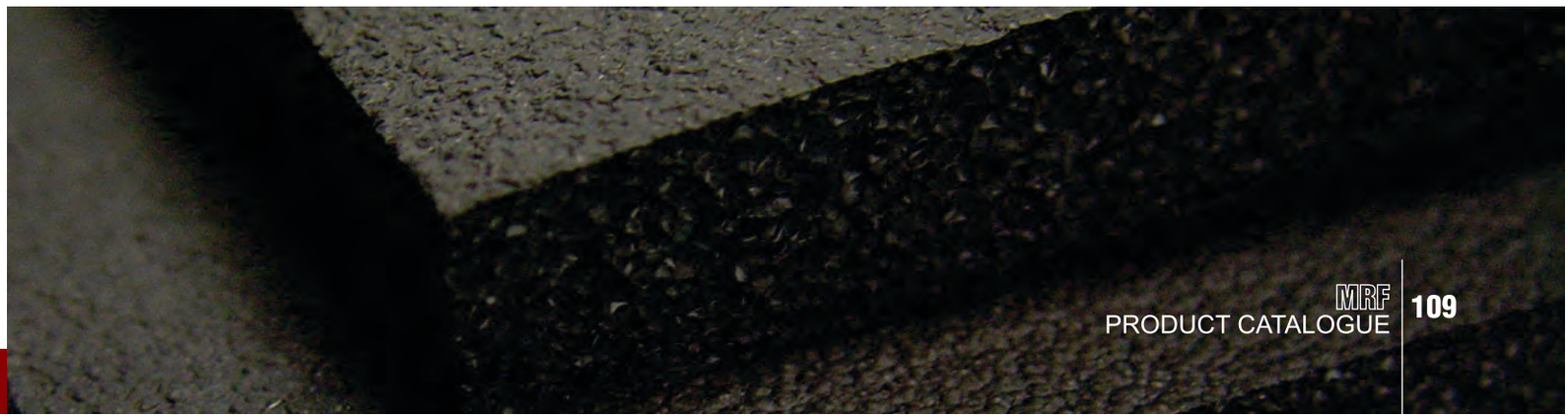
LABOSPORT

TÜV HELLAS TÜV NORD GROUP

EN71-3

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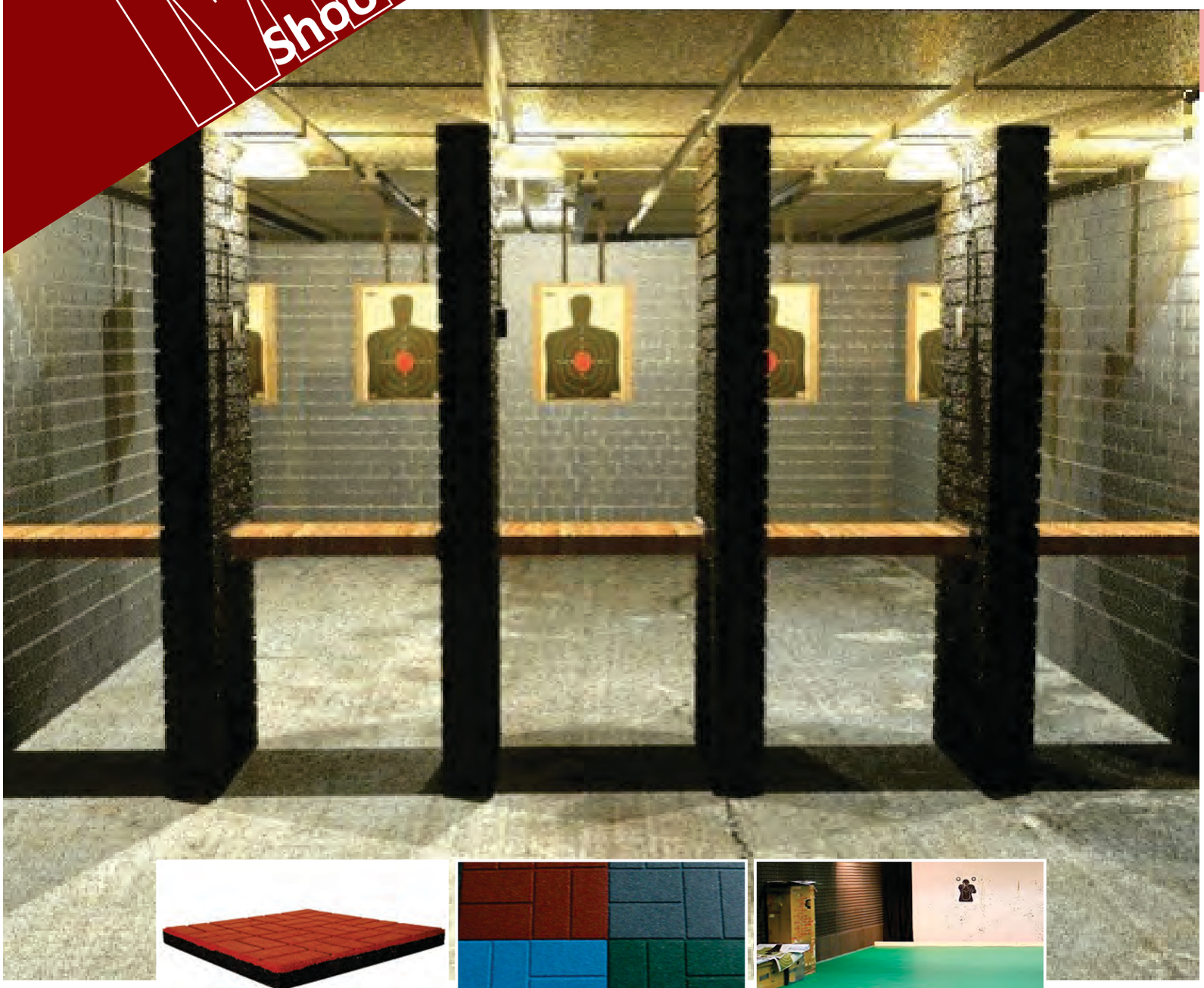
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MRF

Shooting Range

INTERLOCK



sustainable future

RUBBER TILES/EPDM

INTERLOCK RUBBER TILES/EPDM

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber tiles are an excellent solution for the applications of residential and commercial users, that require a quality rubber to withstand weights and present an eco-friendly floor. This product is a perfect solution for playground to keep kids safe or for landscaping projects to create paths or borders that offer versatility. Interlock rubber tiles designed to handle extreme weather fluctuations, including heavy rains, high heat and freeze-thaw cycles.

Availability ranges from: 100 % SBR rubber colored granules. EPDM- topped, down SBR colored granules EPDM-topped, down SBR granules. Customization can be acquired prior customer's satisfaction.

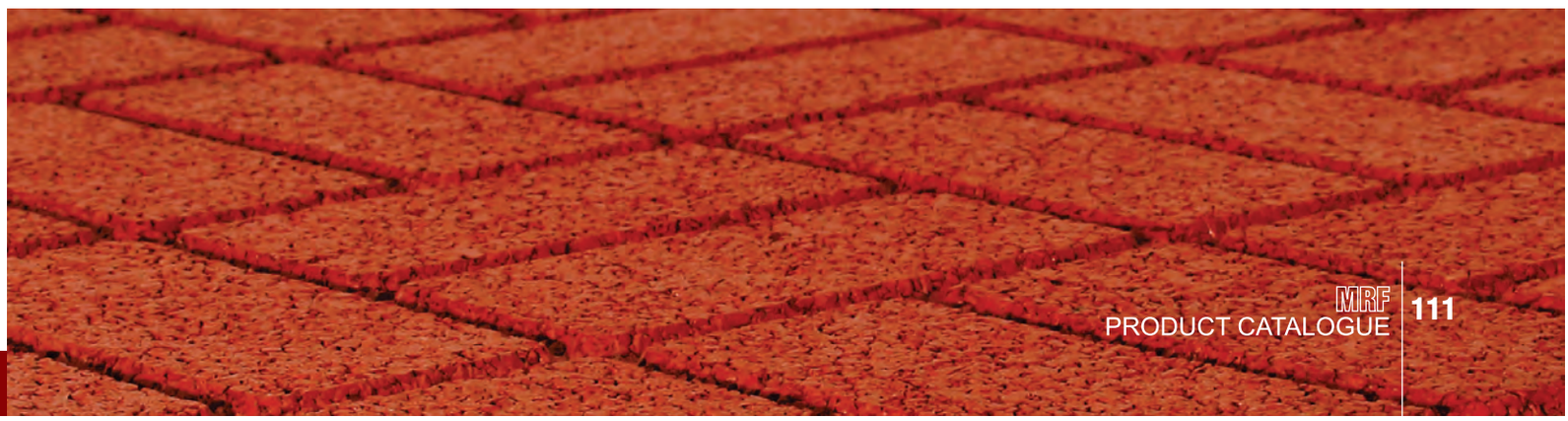
TECHNICAL PROPERTIES:		
Color	:	Red, Green, Sky blue, May green, Pearl, Yellow & Customize.
Dimension (mm)	:	500x500x40, 500x1000x40, 1000x1000x40.
Shape	:	Square.
Weight	:	Varies from design needed. (e.g. 500x500x40 1pc. = 9.6 Kgs.).
Testing	:	Labosports, TUV Nord, Kiwa Isa Sport, EN 71-3 ASTM F1344-15 & MRF Triax Impact testing.
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Target range - floorings.
- Walk ways.
- Walls.
- Access path.

CHARACTERISTIC:

- Impact resistant and noise resistant.
- Safety flooring.
- Anti-ricochet protection.



MRF

Shooting Range

INTERLOCK



sustainable future

RUBBER PAVERS

INTERLOCK RUBBER PAVERS

TECHNICAL DATA SHEET

PRODUCT:

Interlock rubber pavers give a long lasting comfort, slip resistant, a replacement to hard surfaces. Interlock rubber pavers are easy to install, low maintenance and have various colors. The groove in the bottom provides a high shock absorption resistance and passes water through. The product is a valuable investment with safe, comfy, slip resistant material in wet and dry conditions.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	200x165x30.
Weight	:	0-72 Kgs./pc. (varies on product requirement).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer, Hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Hallways – shooting range.
- Waiting area.
- Viewing deck.

CHARACTERISTIC:

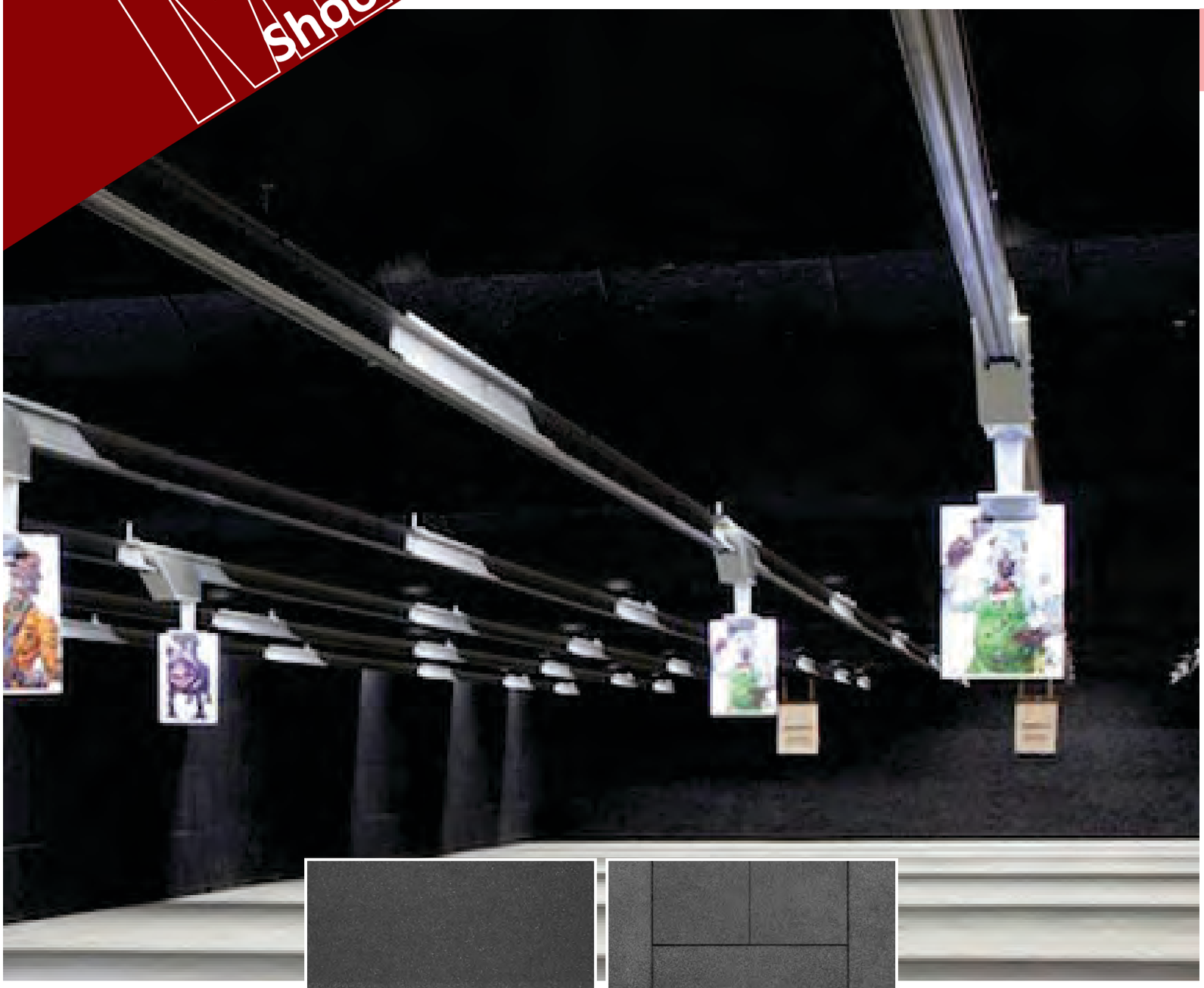
- Good in quality performance.
- Able to adapt in different application.
- Noise-absorbing.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Shooting Range



sustainable future

ANTI-STUMBLE EDGE

ANTI-STUMBLE EDGE TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x40.
Design	:	Available design also inleft and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Indoor and outdoor flooring.
- Entrance/exit – shooting range.

CHARACTERISTIC:

- Creates safe edging.
- Reduce stumble accident.
- Beveled shape for easy access for firing.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF
Shooting Range



sustainable future

ANTI-STUMBLE EDGE LF/RT

ANTI-STUMBLE EDGE LF/RT | TECHNICAL DATA SHEET

PRODUCT:

Anti-Stumble Edge is essential in children's playground to avoid stumbling accidents & avoid injuries from falling. Its beveled shape tends to minimize accidents and provides an easy access to wheelchair users, bicycles, etc. It is also designed for corners to provide a smooth experience & a decorative look. It is easily installed.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x40.
Design	:	Available design also in corners, left and right.
Weight	:	Varies from design needed. (e.g. 500x1000x40 1pc. = 15.5 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Installation	:	Adhesive glue and connector pin.
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

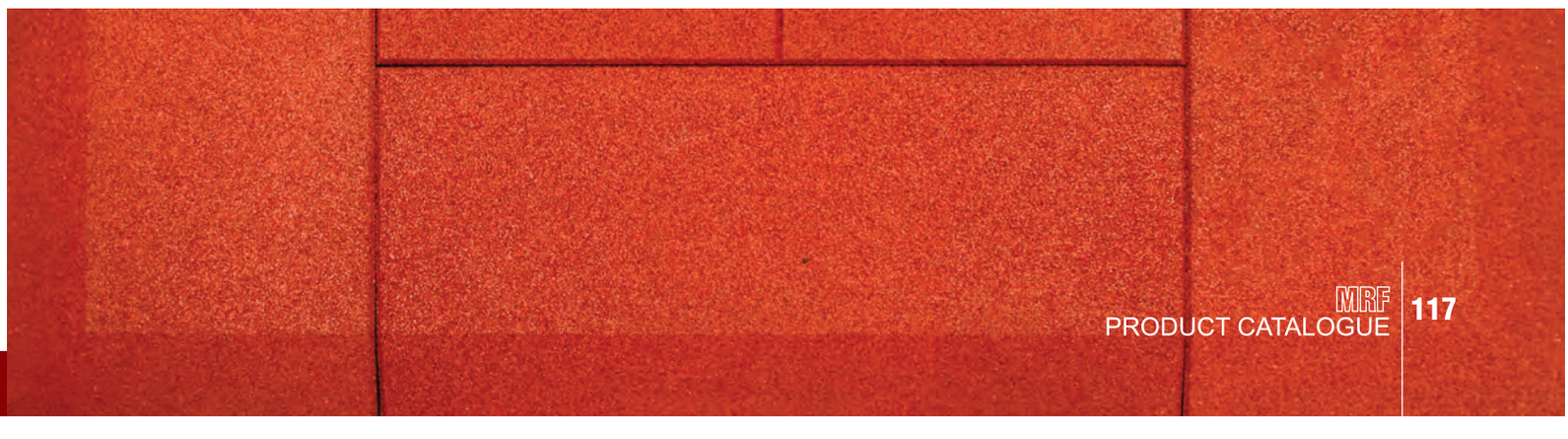
- Indoor and outdoor flooring.
- Entrance/exit – shooting range.

CHARACTERISTIC:

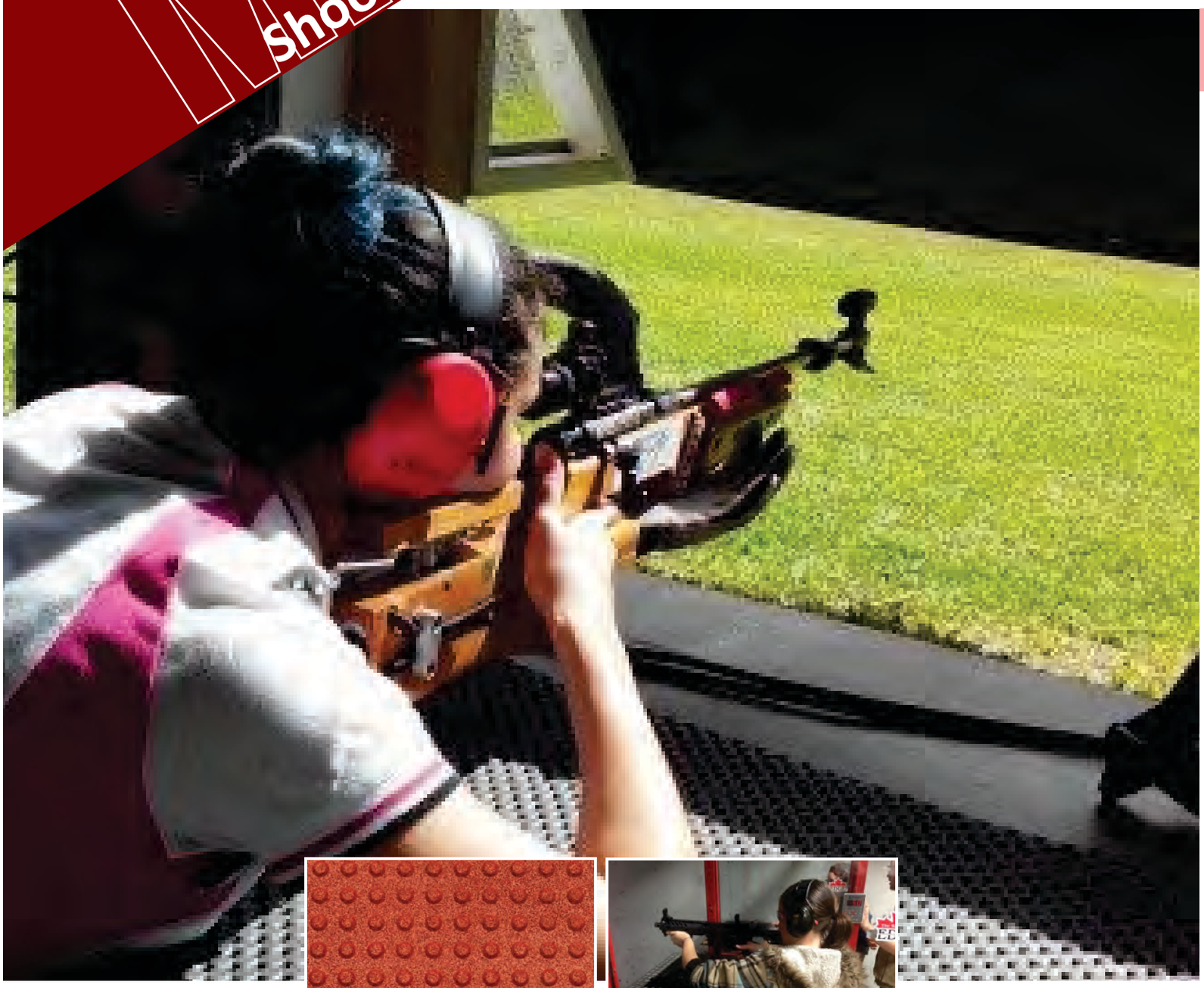
- Creates safe edging.
- Reduce stumble accident.
- Beveled shape for easy access for firing.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements



MRF Shooting Range



sustainable future

SAFETY TILES

SAFETY TILES | TECHNICAL DATA SHEET

PRODUCT:

Safety Tiles provides a distinctive surface pattern of truncated domes or detectable cones by long underfoot cane. It is used to alert people with vision impairment of their approach to the streets/public roads or hazardous drop offs to raise their awareness of the danger ahead. Safety tiles are indicators found on many footpaths, stairs, shopping malls, airports, train station platforms for directional guidance, hazardous warning and assist vision impaired pedestrians.

Availability ranges from: 100 % SBR rubber colored granules Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	500x1000x20, 500x1000x25 & 500x1000x30.
Weight	:	Varies from design needed. (e.g. 500x500x20 1 m^2 = 20 Kgs.).
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Partition surfaces.
- Ground floorings.
- Deck walls.

CHARACTERISTIC:

- Seamless and non-skid surface.
- Minimize risk of injuries.
- Can be wet cleaned.

ASTM INTERNATIONAL

EN71-3

MRF
Shooting Range



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MULTI-PURPOSE MATS

MULTI-PURPOSE MATS | TECHNICAL DATA SHEET

PRODUCT:

Multipurpose Mat is manufactured with premium quality rubber matting. It is produced to meet the specification and demands of users that made it specified in providing comfort to equestrian and livestock. It protects the users from severe injuries, reduces the possibility of capped hocks. It is applicable in various fields, such as gym & fitness flooring, horses' stable, and even cattle.

Availability ranges from: 100 % SBR rubber colored granules. Customization can be acquired prior customer's satisfaction.

TECHNICAL PROPERTIES:		
Color	:	Red (Colored SBR), Green & Customize.
Dimension (mm)	:	1000x1000x25.
Weight	:	31 Kgs./m².
Testing	:	ASTM F1344-15(Homogenous rubber floor tile, Durometer hardness, Resistance to short-term chemical exposure, Resistance to short-term chemical exposure, Resistance to Heat, Abrasion resistance, Overall thickness & Base thickness).
Safety measure	:	Do not eat, swallow or ingest. Keep away from eye contact.

APPLICATION FIELDS:

- Walls.
- Floorings.
- Ceilings.

CHARACTERISTIC:

- Extremely resilient.
- Abrasion resistant.
- Superior shock absorption.

ASTM INTERNATIONAL

EN71-3 Specification for the migration of certain noxious elements

