



KHELOKUDOO

Built for Performance

High performance flooring
for sports fields and playgrounds

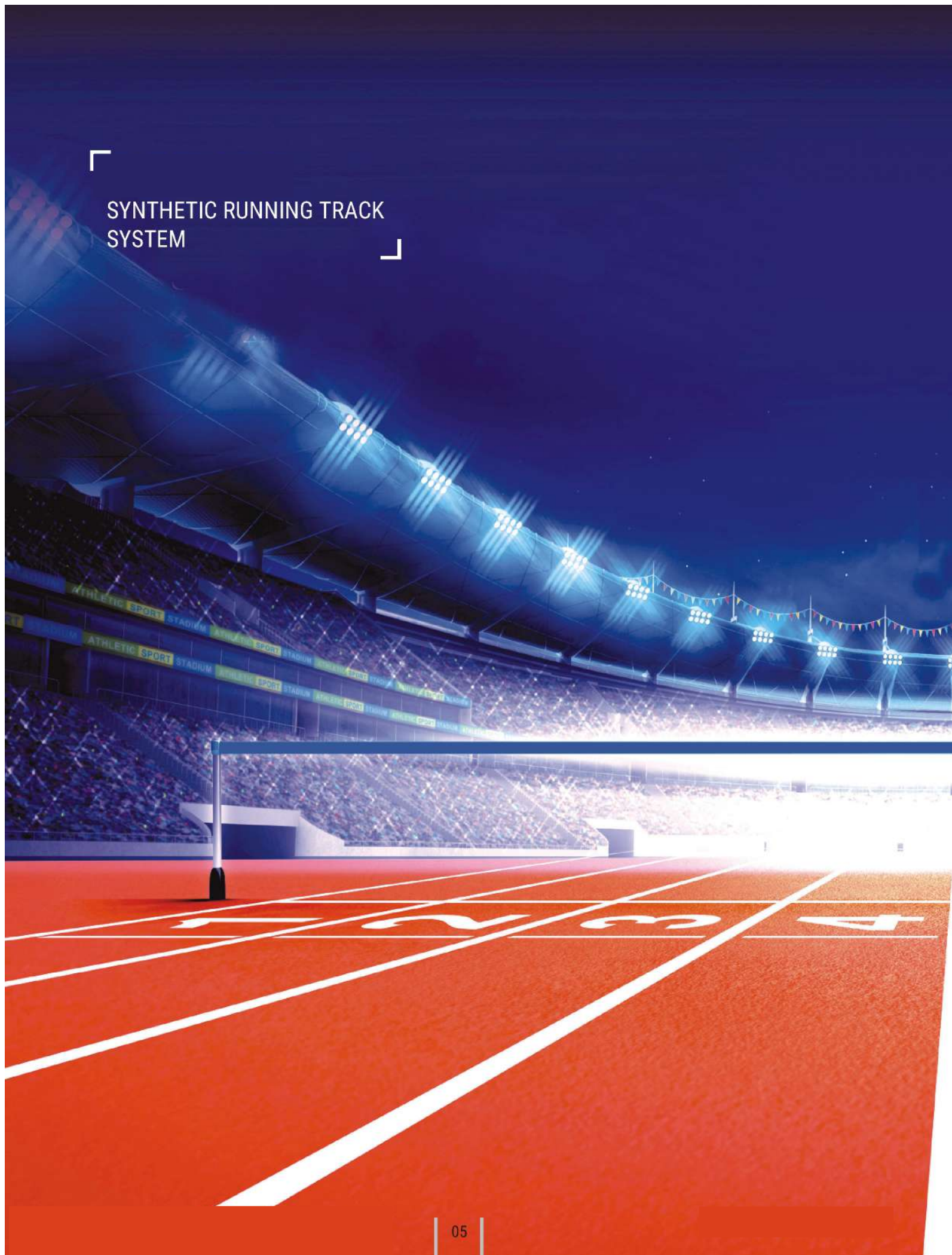




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SYNTHETIC RUNNING TRACK
SYSTEM



SPRAY-COAT (Permeable) RUNNING TRACK SYSTEM



The building block running track system is suitable for a variety of facility design. This porous paved-in-place synthetic running track sport surface is our basic system comprised of a bottom layer of polyurethane bound rubber granules topped with a spray-applied coat of one component polyurethane and EPDM granules. The Layout, track lines and event markings are in accordance with the latest edition of the IAAF rules and regulations.

Main Construction Steps

- Primer and rubber elastic layer paving
- Spray-coat Layer spraying with EPDM





✓
**GRANULE
BASE
OPTIONAL**



01	Primer Layer	PU Binder
02	Rubber Base Elastic Layer	PU Binder Recycle Rubber Granule
03	Surface Spray-coat Layer	Red PU Spray-coat Material Red EPDM Granule(0.5-2mm)
	Other color option	
	Color Protect Layer (Optional)	Colorful Si-PU Surface Layer Material

SANDWICH RUNNING TRACK



A distinguished collegiate & high school running track system for high traffic facilities

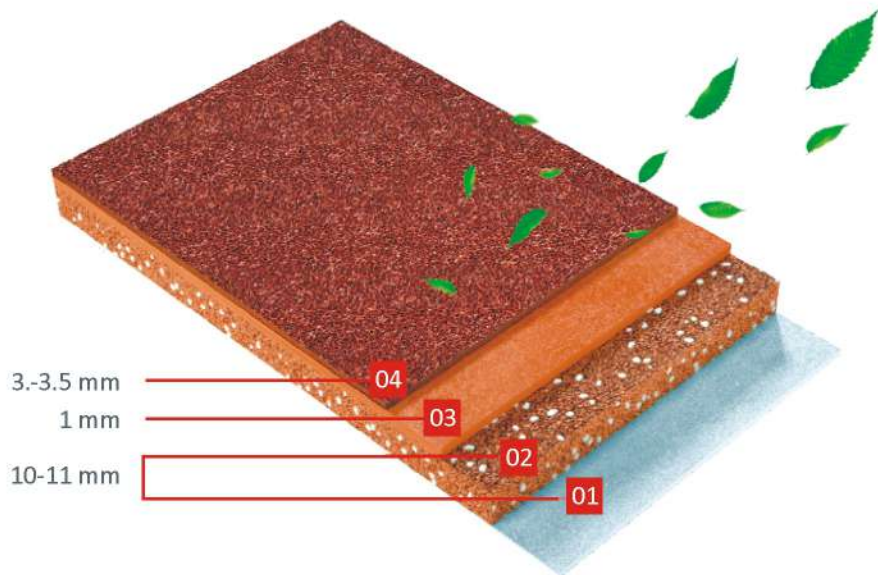
This impermeable running track surface is comprised of graded, black SBR rubber granules bound together with a mono component polyurethane binder. The top surface layer is a composition of colored EPDM granules and similarly colored two-component polyurethane or spray special colorful spray-coat material mix with EPDM rubber.

The Layout, track lines and event markings are in accordance with the Latest edition of the IAAF rules and regulations.



Main Construction Steps

- Primer and rubber elastic Layer paving
- Full-PU material with EPDM powder for sealing on the rubber surface
- Full-PU material for middle Layer coating
- Full-PU surface layer coating with EPDM broadcast or Spray-coat Layer on top



01	Primer Layer	PU Binder
02	Rubber Base Elastic Layer	PU Binder Recycle Rubber Granule
03	Seal Layer	Red Full-PU Material Red EPDM Powder
04	Surface Broadcast Layer	Red Full-PU Material Red EPDM Granule (1-4mm)
	Surface Spray-coat Layer	Red PU Spray-coat Material Red EPDM Granule (0.5-2mm, 1-3mm, 1-4mm)
	Surface Self Texture Create Spray-coat Layer	Red PU Self Textue Create Material
	Color Protect Layer (Optional)	Colorful Si-PU Surface Layer Material



**BODY
PU BASE
MIX RUBBER
OPTIONAL**



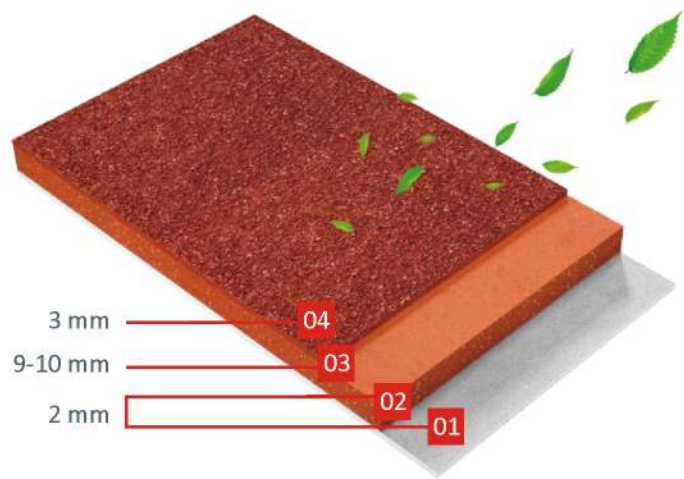
**ECO-FRIENDLY COLORFUL
GRANULE**



**ECO-FRIENDLY RECYCLE
GRANULE**



**NONE
RUBBER GRANULE**



01	Primer Layer (Concrete)	PU Binder
	Seal Layer (Asphalt)	Latex Seal Layer Material (add sand and cement)
02	Bottom Layer	Red Full-PU Material Rubber Granule (Optional, 2-4mm)
03	Middle Layer	Red Full-PU Material Rubber Granule (Optional, 2-4mm)
04	Surface Broadcast Layer	Red Full-PU Material Red EPDM Granule (1-4mm)
	Surface Spray-coat Layer	Red PU Spray-coat Material Red EPDM Granule (0.5-2mm, 1-3mm, 1-4mm)
	Surface Self Texture Create Spray-coat Layer	Red PU Self Texture Create Material

	Color Protect Layer (Optional)	Colorful Si-PU Surface Layer Material
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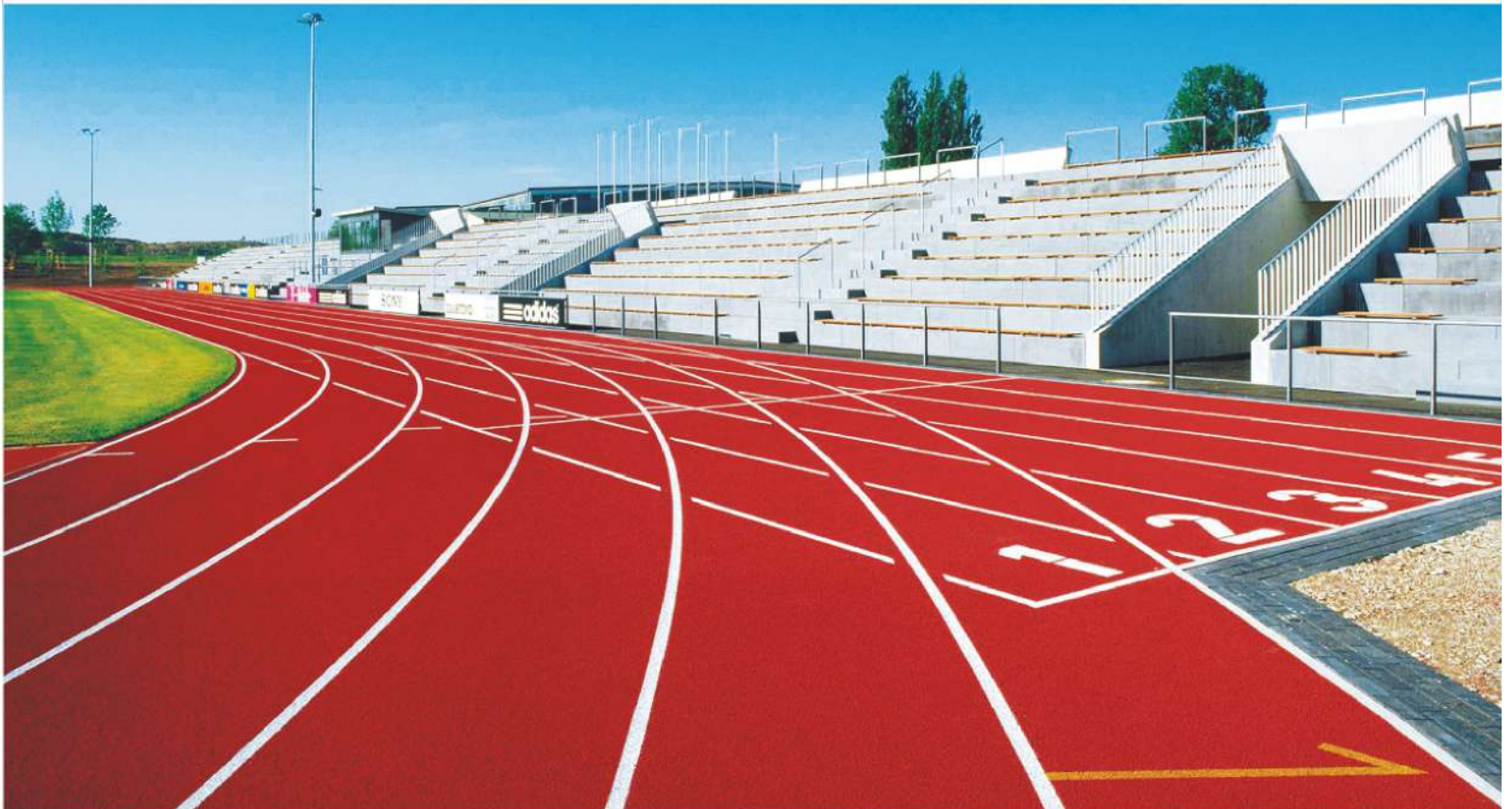


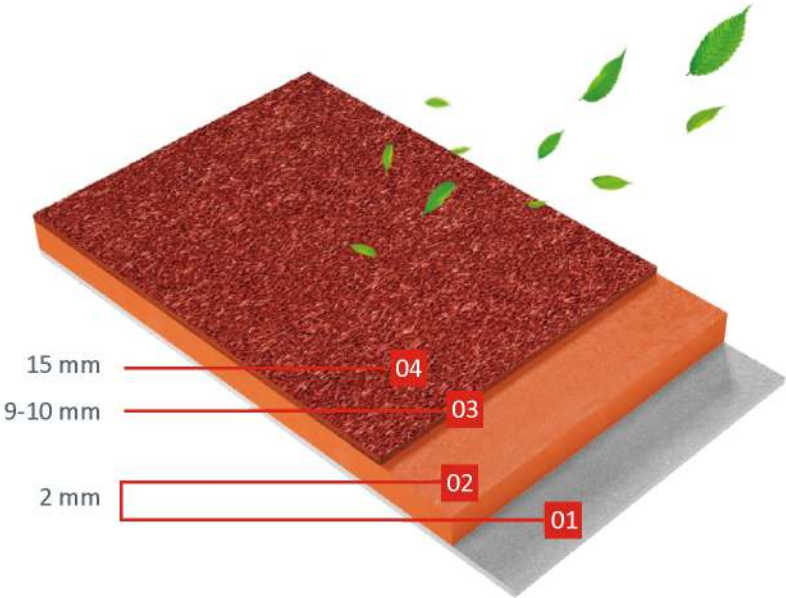
SELF TEXTURE CREATE RUNNING TRACK SYSTEM

Sandwich system running track's surface Layer without EPDM. The finished Layer is uniform texture, convex concave and organized. Composition with pure PU only, strong adhesively bonding and wear resistance. Then no granule loss problem, beautiful surface sprayed and good physical performance and environmental protection property which is favored by the majority clients,

Main Construction Steps

- Primer and Full-PU bottom layer coating
- Full-PU body layer coating by two times
- Self texture create type Spray-coat Surface layer





**BODY
PU BASE
MIX RUBBER
OPTIONAL**

✓

✓

ECO-FRENDLY COLORFUL
GRANULE

✓

ECO-FRENDLY RECYCLE
GRANULE

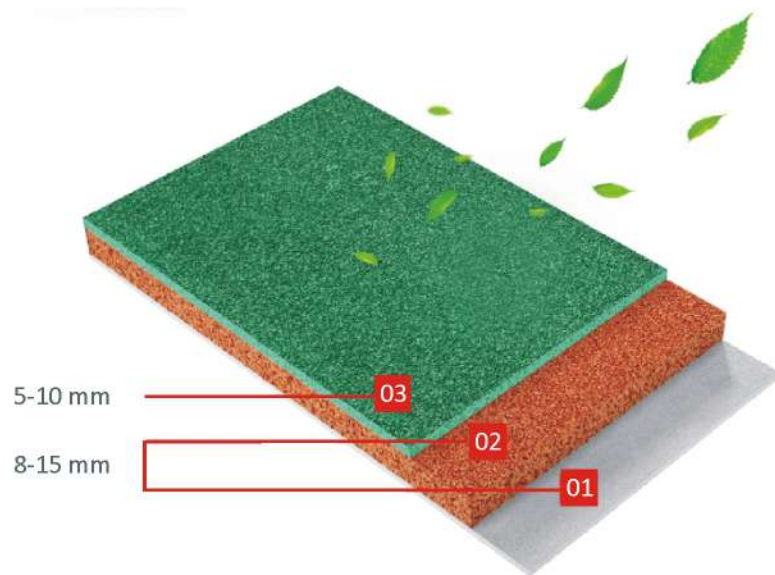
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NONE
RUBBER GRANULE

01	Primer Layer (Concrete)	PU Binder
	Seal Layer (Asphalt)	Latex Seal Layer Material (add sand and cement)
02	Bottom Layer	Red Full-PU Material Rubber Granule (Optional, 2-4mm)
03	Middle Layer	Red Full-PU Material Rubber Granule (Optional, 2-4mm)
04	Surface Self Texture Create Type Spray-coat Layer	Red PU Self Texture Create Type Spray-coat Material



EPDM RUBBER
GRANULES'S COLOR CODE



01	Primer Layer (Concrete)	PU Binder
02	Rubber Base Elastic Layer	PU Binder Recycle Rubber Granule
03	Surface EPDM Elastic Layer	PU Binder EPDM Rubber Granule (1-3mm, 1-4mm)
	Optional according to EPDM color granule	Colorful Si-PU Surface Layer Material

SYNTHETIC RUNNING TRACK

System's Material Summery

PU BINDER	Chemical classification	One-component polyurethane adhesive	Suitable apply for sub-base primer and as adhesive for rubber elastic layer's paving work on site. Suggest mix ratio with rubber granule by weight percentage is 18-20%(15)
	Standard code	DESMOTOP-RR 2008	
	Standard packing	30~200kg/drum	
	Valid period	One Year	
BREATH ABILITY SPRAY-COAT TYPE RUNNING TRACK SURFACE MATERIAL (WATER PERMEABLE)	Chemical classification	Two-component polyurethane coating materials paste component	Suitable apply for water permeable breathability spray-coat system running track surface spray coating and can be applied on the composite sandwich and Full-Pu surface as well, etc. • Mix ratio (paste weight glue weight =1:2) • No need to add catalyst, forbidden to add thinner. • Mix thoroughly by the ratio and mix same weight EPDM granule, use sprayer machine to spray on the surface to gain special shape and smooth surface, micro foam granule completely wrapped. • Spray-coat consume quantity: 1.1/1.2WG/m ² • Glue component can be also adhesive for rubber layer paving work on site.
	Standard code	BR (RED ,Other color on request)	
	Standard packing	30KG/drum	
	Valid period	One Year	
	Chemical classification	Two-component polyurethane coating material's glue component	
	Standard code	A	
	Standard packing	200KG/drum	
	Valid period	One Year	
SELF TEXTURE CREATE TYPE RUNNING TRACK SURFACE MATERIAL	Chemical classification	Two-component polyurethane coating material's paste component	Suitable for no granule content self texture create type and no water permeable composite sandwich, full-pu track's surface spray coating etc. • Mix ratio (paste-weight:glue weight =2:1) • No need to add catalyst, EPDM granule, forbidden to add thinner. • Use sprayer machine to spray on the surface to gain special shape and smooth surface • Spray-coat consume quantity :1.3KG/m ²
	Standard code	DESMOTOP-RR 2005 (RED .Other color on request)	
	Standard packing	30KG/drum , 200kg/drum	
	Valid period	Six Months	
	Chemical classification	Two-component polyurethane coating material's glue component	
	Standard code	DESMOTOP-RR 2005	
	Standard packing	30KG/drum , 200kg/drum	
	Valid period	Six Months	
FULL-PU MIXTURE TYPE RUNNING TRACK MATERIAL	Chemical classification	Two-component polyurethane coating material's paste component	Suitable for no water permeable composite sandwich track's seal, surface layer and full-pu track's body layer coating, etc. • Mix ratio (paste weight :glue weight =4:1) • Need to add 0.55~1% catalyst of total well mixed full-pu mature material and do small test before apply on area . • Mix two component material by the ratio thoroughly and can mix rubber granule as well far coating 2-3 times according to track standard thickness. • Eco-friendly catalyst catalyst 9011C only suit for this 4:1 full-pu mixture type material application.
	Standard code	BR (RED .Other color on request)	
	Standard packing	Standard packing:250KG/drum	
	Valid period	Valid period: Six Months	
	Chemical classification	Two-component polyurethane coating material's glue component	
	Standard code	DESMOTOP-RR 2005	
	Standard packing	Standard packing : 200KG/drum	
	Valid period	Valid period : One Year	
	Chemical classification	Eco-friendly Additives (catalyst)	
	Standard code	DESMOTOP-RR 2005	
	Standard packing	30-200KG/drum	
	Valid period	One Year	
COLORFUL EPDM RUBBER GRANULE	Polymer content	18-20%	- Granule's special use for outdoor athletic running track surface - Granule's use for multi-purpose safety rubber surface - Size; 0.5-2mm 1 -3mm J-4mm
	Hardness	70-80A	
	Tensile strength	2-25Mpa	
	Elongation at break	300-400%	
LATEX SEAL LAYER MATERIAL FOR ASPHALT BASE	Chemical classification	one-component latex material	Suitable for full-pu track system's seal layer on asphalt base and Si-PU multipurpose field's rubber layer system's seal layer Mix some weight with composite portland cement and 6Q-SQ mesh size sand by 1:1:1 and coating smoothly on base surface. Suggest consume by coating; about 0.5-0.7Kg/m ²
	Standard packing	20KG/drum, 200kg/drum	
	Valid period	One Year	



Environmental &
Non-toxic



Weather resistance &
Against corrosion



Convenient
Construction



Effectiveness
Performance

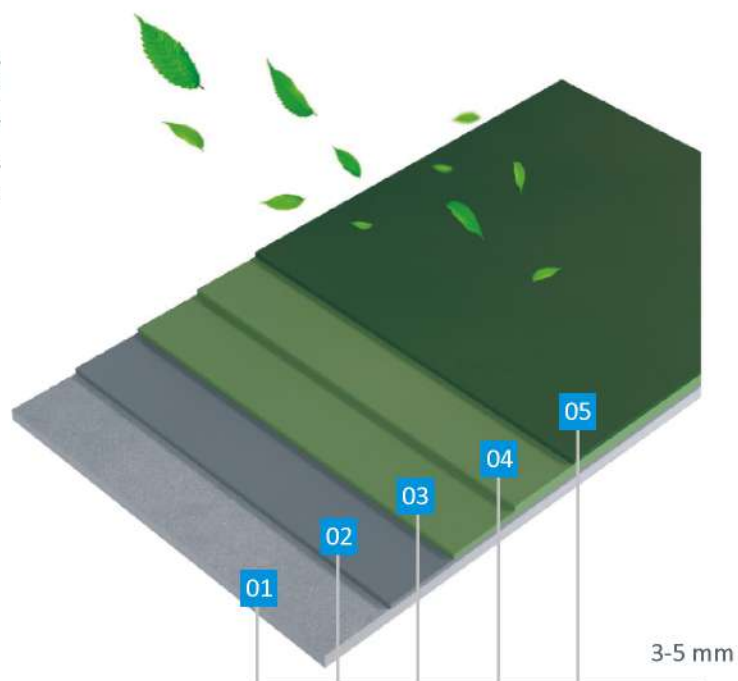
Si-PU SPORTS FIELD (single Hard System)



Si-PU system material can be directly installation on concrete, asphalt base, recycle black granular layer rubber mat It is researched and development of new materials which is for many kinds of indoor and outdoor sports surface project Particularly durable, professional, environmentally friendly and economical far sports flooring project.

Main Construction Steps

- Top notice for new and old concrete base 's Quality control
- Well treatment on the concrete base
- Si-PU Flooring system material 's Primer Layer Material Rail coating
Si-PU Flooring system material 's Elastic Layer Material Squeegee coating
- Si-PU Flooring system material's Strengthen Layer Material Squeegee coating
- Si-PU Flooring system material's Surface Layer Material Roll coating or Spray coating



01	Base Layer	Concrete Sub-Base
02	Primer Layer	Si-PU Concrete Primer Layer
03	Elastic Layer	Si-PU Elastic Layer
04	Strengthen Layer	Si-PU Strengthen Layer
05	Surface Layer	Si-PU Surface Layer

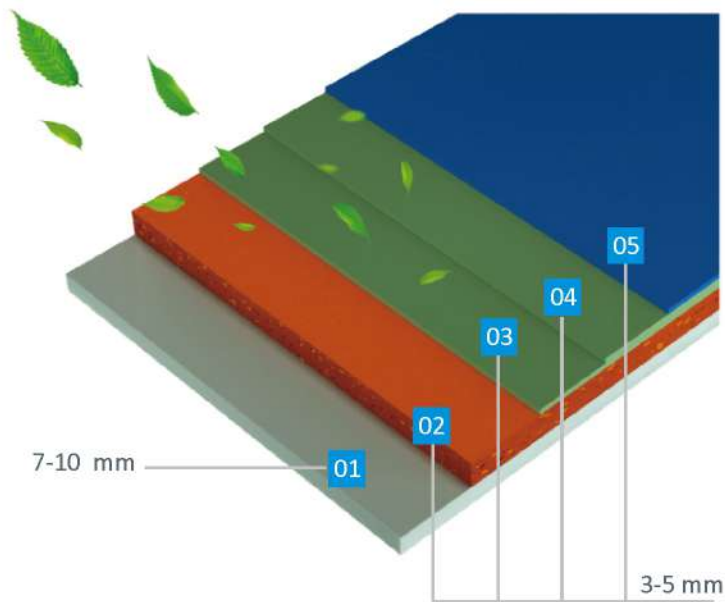


SI PU SPORTS & PLAY MULTIPURPOSE FIELD

(With Rubber Elastic Layer System)

Main Construction Steps

- Top notice for Asphalt and Rubber Layer base 's quality control
- Well treatment on the Asphalt and Rubber layer base
- Si-PU Flooring systenn material's Seal Layer Material Squeegee coating
- Si-PU Flooring system material's Elastic Layer Material Squeegee coating
- Si-PU Flooring system material 's Strengthen Layer Material Squeegee coating
- Si-PU Flooring system material's Surface Layer Material Roll coating or Spraay coating



☒

GRANULE BASE
OPTIONAL

☒

ECO-FRENDLY COLORFUL
GRANULE BASE

☒

ECO-FRENDLY RECYCLE
GRANULE BASE

01	Base Layer	Aspholt Subbase or SBR rubber base layer
02	Sealer Layer	Si-PU Special Sealer+Cement+sand
03	Elastic Layer	Si-PU Elastic Layer
04	Strengthen Layer	Si-PU Strengthen Layer
05	Surface Layer	Si-PU Surface Layer

ACRYLIC SPORTS SURFACES

FIELD (single Hard System)

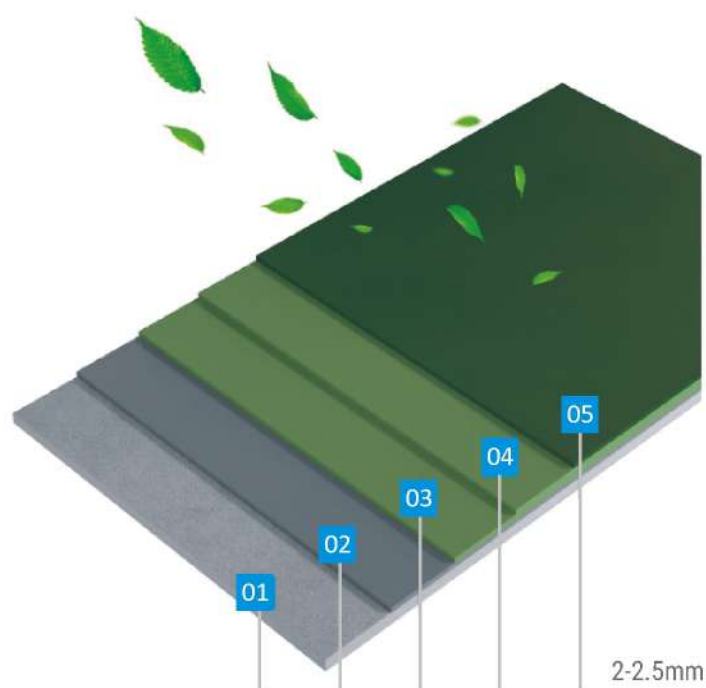


This system is for medium fast professional paced courts, certified ITF. It is Comprised of a combination of intermediate finish coats with highly resistant coloured acrylic finishedcoat on top, it is easy to apply. It ensures high playing comfort and does not need maintenance, it is suitable for both inside and outside sports courts.



Main Construction Steps

- Top notice for new and old concrete base 's Quality control
- Well treatment on the concrete base
- Acrylic system material 's Primer Layer Material Rail coating
- Acrylic Resurfacer layer system Material Squeegee coating
- Acrylic Top Coat Layer Material Squeegee coating



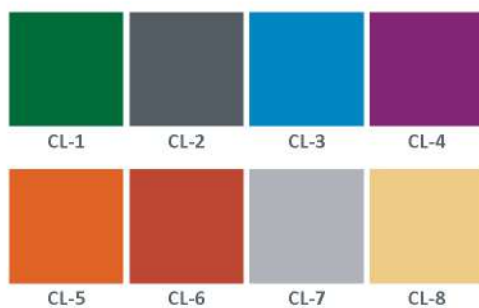
01	Base Layer	Concrete Sub-Base
02	Primer Layer	Concrete Primer Layer
03	Resurfacer Layer	Two Coat Resurfacer Layer
04	Base Coat Layer	Acrylic Base Coat Layer
05	Surface Layer	Acrylic Top Coat With Line Marking

SI-PU/ ACRYLIC SPORTS & MULTIPURPOSE FIELD



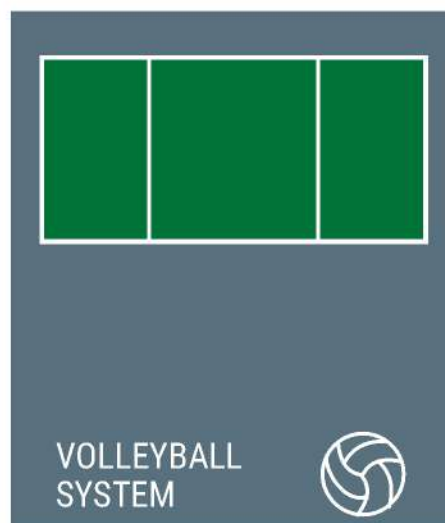
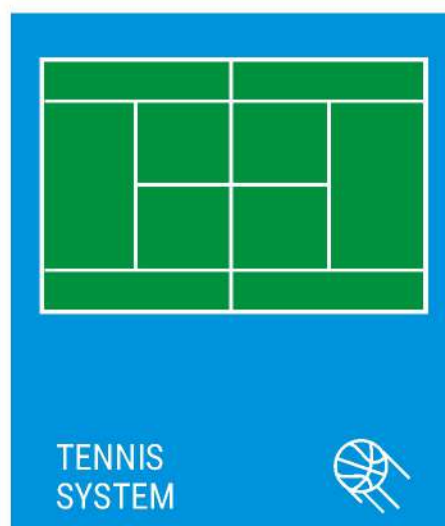
APPLICATION

Widely used in basketball tennis courts and other field laying, Also can be paved on the bottom of the rubber base and the low-density rubber mat



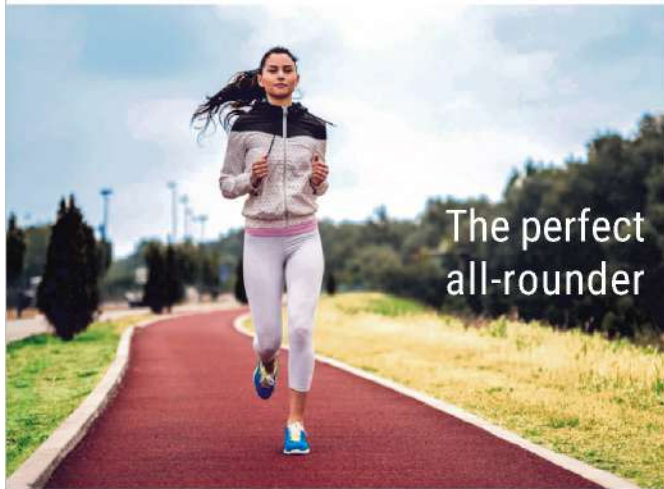
Si-PU / acrylic surface Layer color code
Customer design

Should be subject to real kind



EPDM Jogging Track

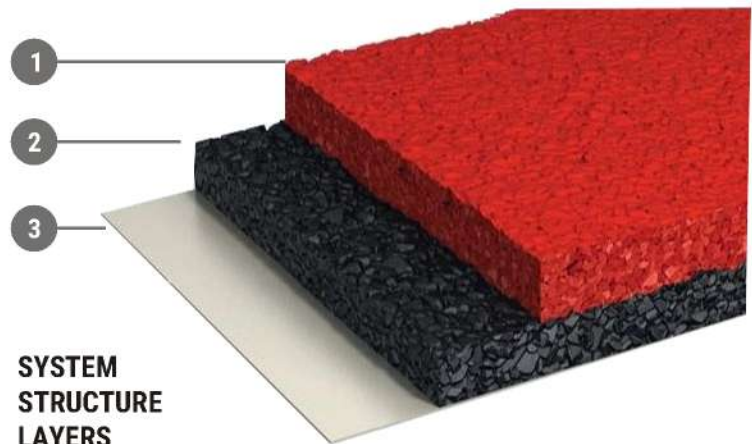
The **topfloor** synthetic surface is the cost effective solution for athletic activities. The structure is primarily used for multi-sports facilities and jogging tracks. It is the only surface in our product range that has a single installed layer, therefore allowing for easy and fast installation. It is a great all rounder.



The perfect
all-rounder

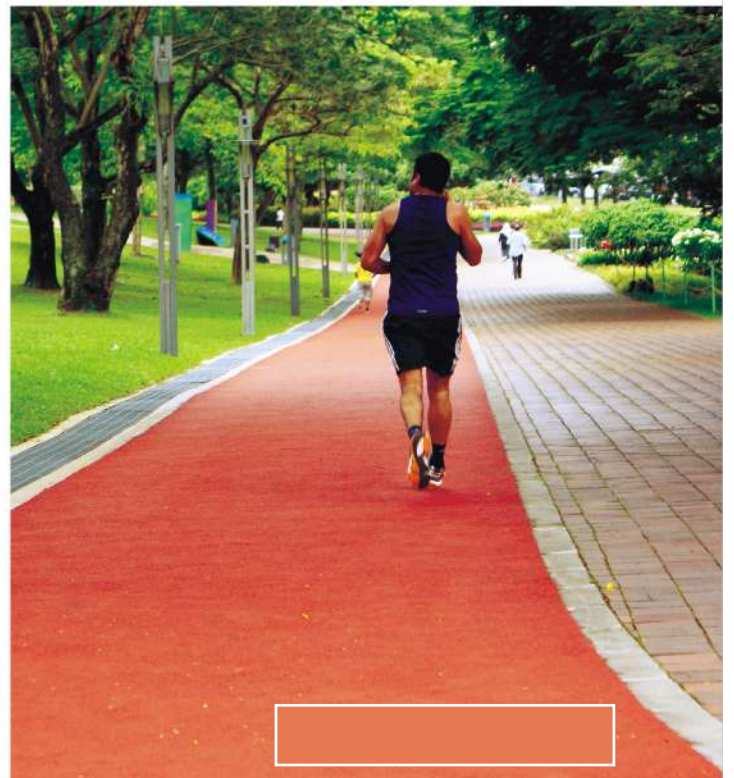
KEY BENEFITS

- Permeable structural system
- Excellent force reduction
- Ideal for jogging tracks and multisport facilities
- Available in multiple colors
- Premium colors available upon request



SYSTEM STRUCTURE LAYERS

- 1 EPDM and binder in -situ paved surface.
- 2 SBR Layer
- 3 Primer



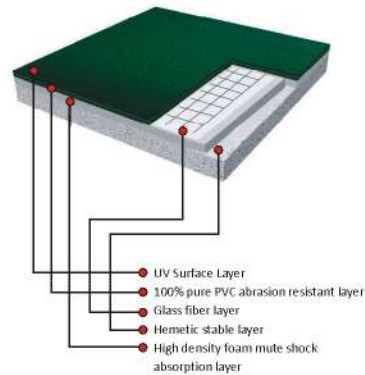
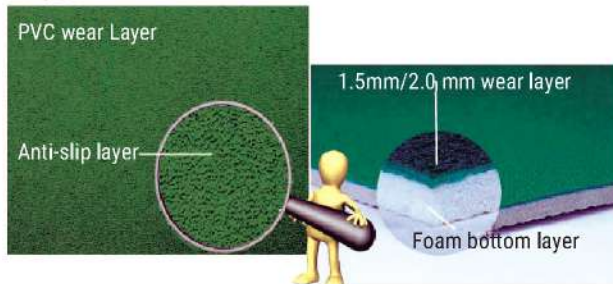


PVC SPORTS Flooring

TOPFLOOR Pvc Sports Flooring is Produced classics and Special used for Indoor badminton and Basketball Court. The sand Surface pattern is Designed professionally for badminton and basketball court, good at wear resistance and antislip.



Shock Show Detail Display



Structure:

- 1st. PVC resistance wear layer (Super Endurance Wearing Strength)
- 2nd. Fiber-glass reinforced layer (Make the flooring Non-shrinkable)
- 3rd. PVC Foaming Buffer Layer (Good Performance in Rebounding Shock Absorbing)

Specifications:

Wear layer : 1.2mm-1.5mm
 Thickness : 4.5mm 6.5 mm and 7 mm
 Width : 1.8m & 2m
 Length : 15m

Advantages:

1. Professional processing maintenance
2. 100% vinyl wear layer
3. Reinforced fiberglass layer
4. Double density closed-cell foam backing

Certificate : BWF

Colors:

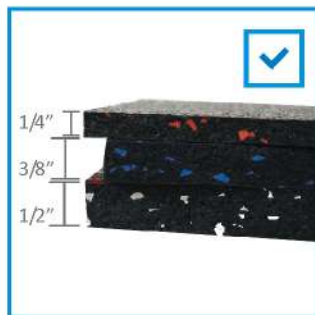
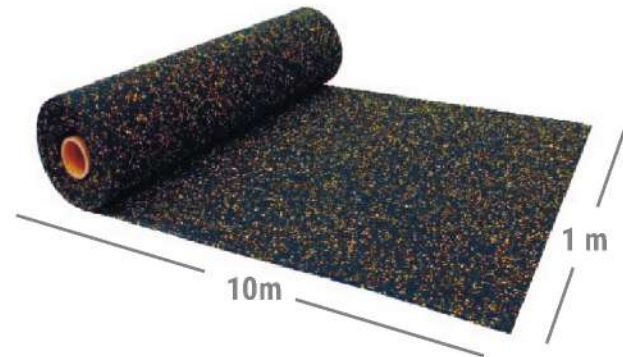




Commercial & Gym Rubber ROLL

Topfloor Offers excellent underfoot, absorbs walking noise and shock of training impact, Being made of recycled tire rubber and synthetic and synthetic EPDM.

It is durable and resilient enough to fit for in gym room and commercial places.



Applications:

Gym and Aerobics Studio, Shopping malls and Kinder garden

Features & Benefits:

Wear Resistant, weather proof, Slip Resistant, Shock absorbent, environmentally Safety.

Specifications:

Material: Pu Binder* SBR

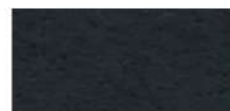
Colors: Variety of Colors.

Roll Thickness: 6 mm, 8 mm, 10 mm.

Roll Length: 10 mtr

Roll Width: 1 mtr

black



black-blue



black-blue-grey



black-red



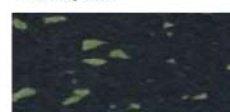
black-bright orange



black-bright yellow



black-green



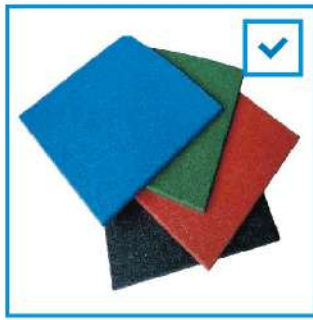
black-grey





GYM Rubber Tiles

Rubber tiles are designed to attend the shock of people falling from a certain height and reduce the risk of injury. The Material composition of 100% recycled rubber make them elastic, anti-slip and durable, fitting for both outdoor and indoor application.



Plain Patten



Interlocking pattern



19.5"

19.5" 1 tiles cover =2.69 Sq ft

Applications:

Gym and Aerobics Studio, Children play area, garden use, Commercial use.

Features & benefits:

Wear Resistant, Weather proof, Slip Resistant, Shock absorbent, Environmentally safety,

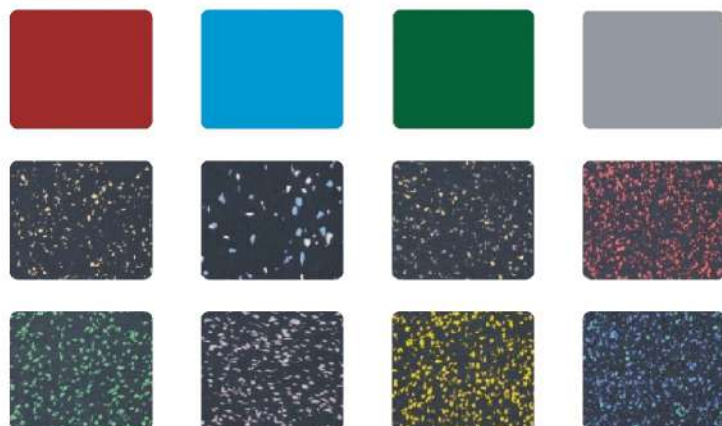
Specifications:

Material : PU binder + SBR

Colors : Variety of Colors

Tile Size : 500 mm x 500 mm , 1000 mm x 1000 mm

Thickness : 10 mm to 40 mm





PU Binder

DESMOTOP-RR 2009, DESMOTOP-RR 2008 and DESMOTOP-RR 2005 are one-component, moisture-curing and unpigmented PU binders. They can be used for bonding a wide range of substrates, including timber, polystyrene foam, plastic, urethane foam, EPDM granules, recycled rubber, gravel, fabric, aluminum surfaces, etc. The curing rate of PU binder is related to the prevailing relative humidity and temperature of the substrates and atmosphere. Curing time can be reduced significantly by use of a hot press on PU binder.

Property	Unit	DESMOTOP-RR 2009	DESMOTOP-RR 2008
Appearance -		Yellowish liquid	Brownish liquid
NCO content	%	10 ± 0.3	11 ± 0.5
Solid content	%	> 99	100
Density at 25°C	g/cm ³	1.08 ± 0.05	1.09 ± 0.03
Viscosity at 25°C	cps	2200 ± 500	2400 ± 500
Flash point	°C	> 200	> 200
Tack free time at 25°C/50% rel. hum.	hr	4-6	4-6



DESMOTOP-RR 2009 : Rubber Tiles, Plastic, Crumb Rubber, Polyurethane Foam Binder

DESMOTOP-RR 2008 : EPDM Rubber Granules, SBR Granules.

DESMOTOP-RR 2005 : Spray Coat Colored PU ,

Packaging:

DESMOTOP-RR 2009 : 200kg Drum / 35 Kg Drum

DESMOTOP-RR 2008 : 200 Kg Drum / 35 KG Drum

DESMOTOP-RR 2005 : 220 Kg Drum / 35 Kg Drum





Sidewalk Blocks 4" x 5"

TopFloor Sidewalk Tiles provide immediate access once installed, accommodating all wheelchair, walker, bicycle, pedestrian traffic. The manageable allows for very simple and quick installation for any project type. This product can also withstand snow removal allowing acceptance to any location regardless of climate.

Detail:



Sidewalk Blocks 4'x5', 5'x4'

Size: 48" L x 60" W x 2" (20 sq ft)

Weight: 203 lbs

Overlap Options: 2" Overlap can be on the 4' side OR the 5' side

Colors: Grey, Black, Redwood, Brown, Terra-Cotta



Applications: Municipal sidewalks, residential sidewalks, golf cart paths, decks, fire pits, hot tub pads, patios, walk out basements, shed flooring.

Advantages:

- Made from 100 % recycled rubber tires
- Easy handling and simple and quick installation
- Provides instant access once installed
- Flexible - will not crack or separate from frost heave like concrete
- Attractive color options
- Safe, anti-slip surface can reduce liability claims
- Surfaces are comfortable to walk on and will be sure to put a "bounce" in everyone's step

Colors:



BLACK



GREY



BROWN



TERA-COTTA



RED WOOD