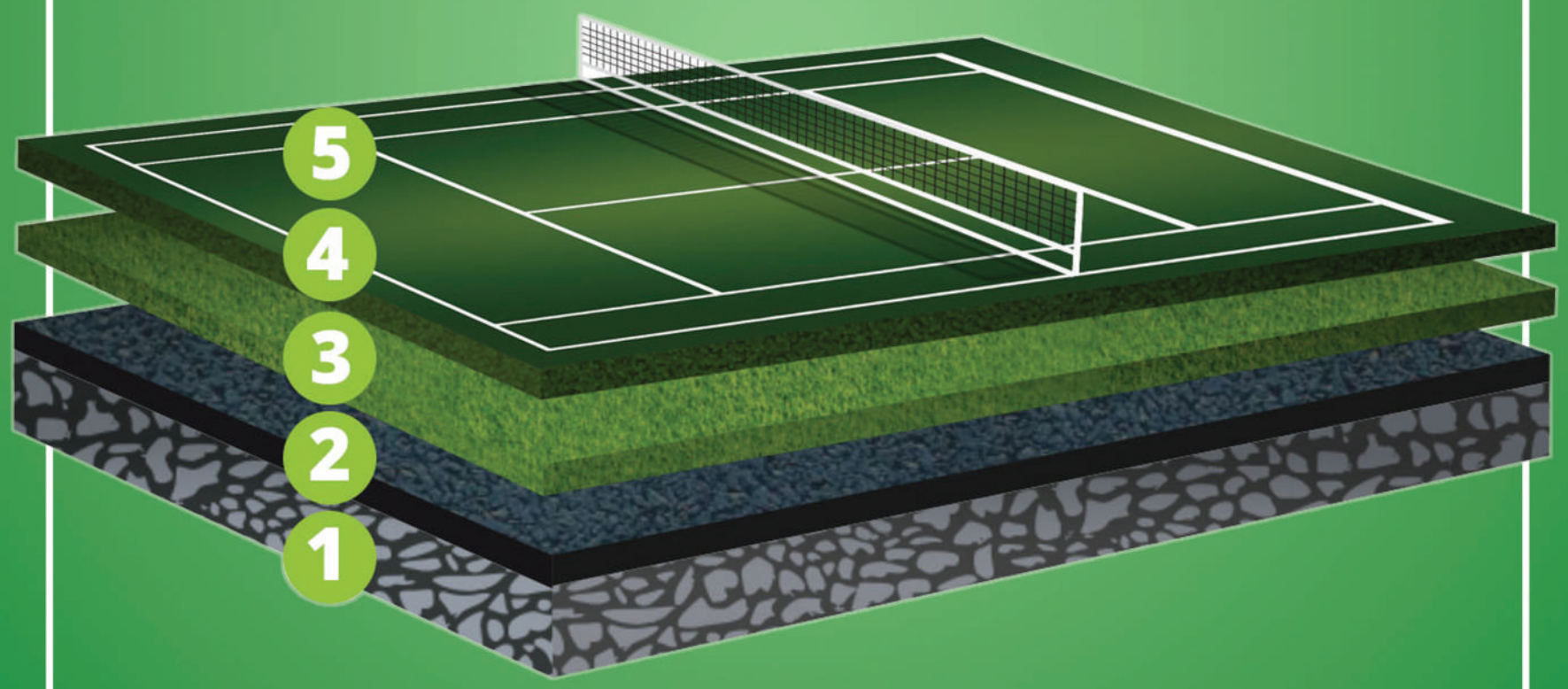
FITMAN MATERIALS

Mechanical, Electrical, Plumbing & Finishing

EPDM, Epoxy & PU Flooring



Kenncoat®
Spor Zemin Kaplamaları

ITF International Tennis Federation

FIFA For the Good of the Game

PFF

IAAF Athletics

Company Profile

Fitman Materials is one of the leading providers of a variety of building products to builders, contractors, and professional remodelers. We are a leading distributor and supplier of interior and exterior building development solutions in Pakistan.

Our Vision:

We strive to meet the needs of customers at every level of the building industry (residential, commercial and industrial) from large architectural accounts to the home remodeler.

Our Mission:

We aim to become the most attractive distribution partner to our many valued suppliers by forming collaborative relationships built on trust and friendships. We envision a future of constant growth through product and market diversification.

Scope of work:

Supply the latest products. wide leaders on EPDM, Epoxy & PU Flooring and Turf Syntactic Grass.
Surveying studying evaluation of the potential risk and providing the most reliable solutions.
After sales service by our highly technical staff that will provide technical support with comprehensive maintenance.

Address:

Fitman Materials - EPDM & Epoxy Flooring Solution
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Polyurethane Material

Fitman Materials Self-Leveling two-component, self-leveling antistatic, waterproof, chemical and abrasion resistant, floor flexibility. It is the coating material used on sports and industrial grounds such as fitness, basketball and volleyball.

PHYSICAL VALUES:

Color	: Various colors
Density of the mixture	: 1.40 (± 0.02) kg / l
Mixing Ratio	: 4/1
Theoretical Consumption	: 1.2 kg / m2 (for 1 mm thickness)
Curing Time	: 6-8 hours (25 ° C)
Heat Resistance	: 100 ° C (for cured product)
Shore A	: 70 ± 5
Application Time	: 5-15 min. (Varies according to humidity and temperature.)
Surface Preparation	: The floor should be clean, dry and free of oil and dust.

APPLICATION CONDITIONS:

Application temperature should be between 10 ° C - 30 ° C.

APPLICATION PROCEDURE:

Polyurethane self-leveling by mixing 4 parts A component and B component by weight obtained. Mix with a slow speed mixer for at least 2 minutes. Care must be taken that the two components are thoroughly mixed. In the single application period of the mixed material, 5-15 min. be used in must.

SHELF LIFE:

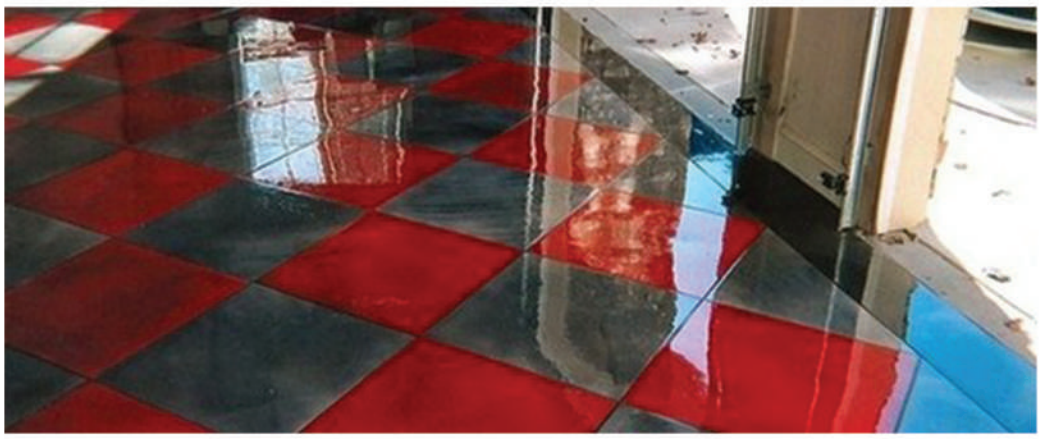
If stored in its original packaging in the range of 15-25 ° C, from 1 year.

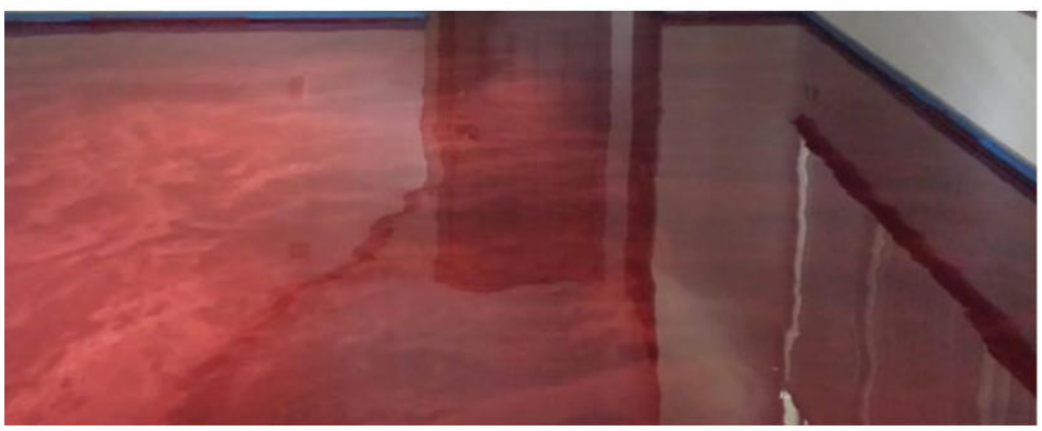
STORAGE:

Flammable liquids regulations must be observed. Observe the safety precautions on the product label it should be. Store in a cool, dry and well-ventilated place. In storage area strictly non-smoking. Keep out of reach of children.

SAFETY INFORMATION:

Gloves and goggles should be worn during operation. In case of contact with skin hardener, wash immediately with soap and water. In case of contact with eyes, seek medical advice immediately. Keep away from children.





Polyurethane Top Coat

Two-component, aliphatic isocyanine forming a bright, flexible and rigid film is a cured paint. Excellent resistance to chemicals and weather conditions, color and mattress sports, fitness as distortion-resistant coating due to protection used in places with high pedestrian traffic such as halls. Resistance to chemicals and atmospheric conditions, color and brightness very good protection properties alone and / or polyurethane systems used as topcoat.

PHYSICAL VALUES:

Color	:Available colors
Density	:1.20 kg / l (in the mixture)
Solid / volume	:56 ± 1%
V.O.C	:352 g / l
Recommended dry film thickness	:40-80 µm for one coat 80-160 µm in total for two layers
Theoretical Consumption	:11,6 m2 / kg
Drying Time	:5 hours (20 ° C)
Full Curing	:7 days (20 ° C)

Drying times applied to air temperature, film thickness, and ventilation and may vary depending on environmental conditions. As the temperature decreases, drying times it will increase.

APPLICATION RECOMMENDATIONS:

Mixing Ratio Volume	:2.5 Section Component A +1 Section Component B Mixing Ratio,
By Mass	:3 kg Component A + 1 kg Component B
Application Time	:7-8 hours (20 ° C)
Application Methods	:Airless gun, pistol and brush.
Thinning (with polyurethane thinner)	
Airless pistol	:20-30%
Pistol	:30%
Brush	:5-10%
Airless pistol application information	
Application Time	:5 hours
Nozzle Diameter	:0.021 inch
Nozzle Pressure	:150 bar / 2100 psi

APPLICATION PROCEDURE

The following rules are recommended when applying the Kenncoat Polyurethane Topcoat Paint system:

Each component must be mixed separately before the mixture is prepared.

A and B components should be mixed for 5 minutes.

The paint should not be thinned more than 30% in order to avoid problems in use.

Small application errors should be repaired by brush, larger application errors repair by spray It should be.

Adequate ventilation should be provided in closed areas.

As soon as the application is finished, clean all application equipment with a suitable thinner.

Polyurethane Sandwich System

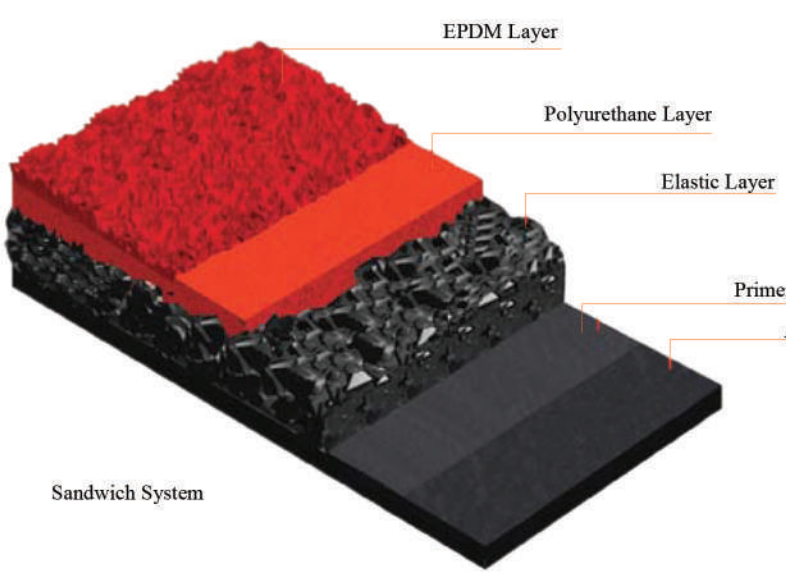
Sandwich system coatings for athletes is a polyurethane floor covering.

Primer	: 150-160 g / m2 1100 cp
Granular Rubber	: 1-3.5 mm 1250 gr / 2 mm (6.25 kg / 10 mm)
Binder	: 20% of the total granule weight, 1.25 g / cm3
Paste	: 1460 g / m2 thixotropic with 10-30%
EPDM powder Self Leveling	: Two components 1, 20 gr / cm3
Roof Tile Color	: 1-3, 5 mm EPDM 3,2 kg / m2

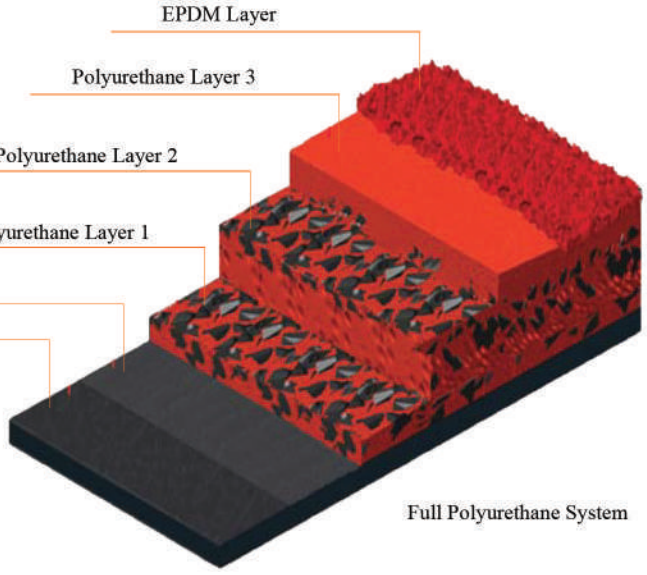
Dirt, dust, oil and moisture-free floor primer is applied; in mixer rubber granules in the range of 1-3.5 mm mixed with polyurethane binder Finisher machine is laid with a minimum thickness of 10 mm on average. The thixotropic two-component paste layer is applied over the elastic coating. The system is now impermeable. Polyurethane self-leveling coating application is started and tile colored 1-3, 5 mm diameter EPDM granules are applied by spreading. Then the excess granules are swept lines are drawn.

Primer	: 150-160 gr/m2 1100 cp
Granular Rubber	: 1-3,5 mm 1250 gr/2 mm (6,25 kg for 10 mm)
Binder	: 20% of total granule weight, 1,25 gr/cm3
Sealer	: 1460 gr/m2 %10-30 thixotropic with EPDM powder
Self Levelling	: Two-component 1,20 gr/cm3
Brick Red	: 1-3,5 mm EPDM 3,2 kg/m2

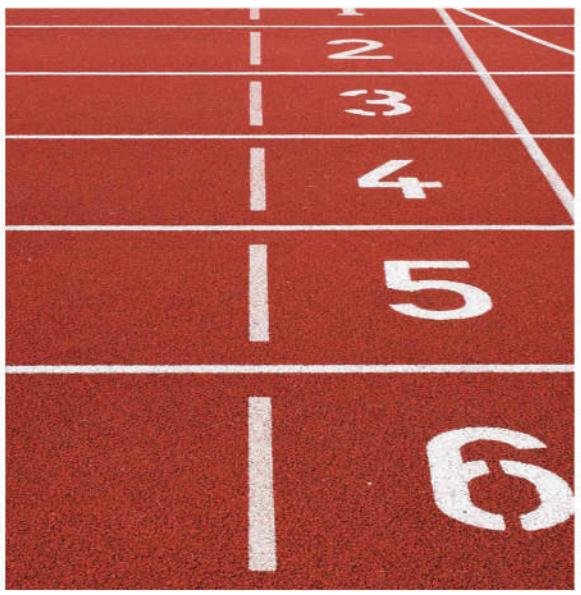
Dust, oil and foreign substances must be removed from surface. On this clean surface, primer must be applied. Polyurethane binder and 1-3,5 mm granules are mixed in mixer and then applied on surface with 10 mm thickness by finisher. After this two-component thixotropic sealer is laid on elastic layer. In this way, this system has become waterproof. And finally, Polyurethane self levelling is applied. At this stage, 1-3, 5 mm Red EPDM granules are applied on this layer by broadcasting system.



Sandwich System



Full Polyurethane System



Polyurethane Spray System

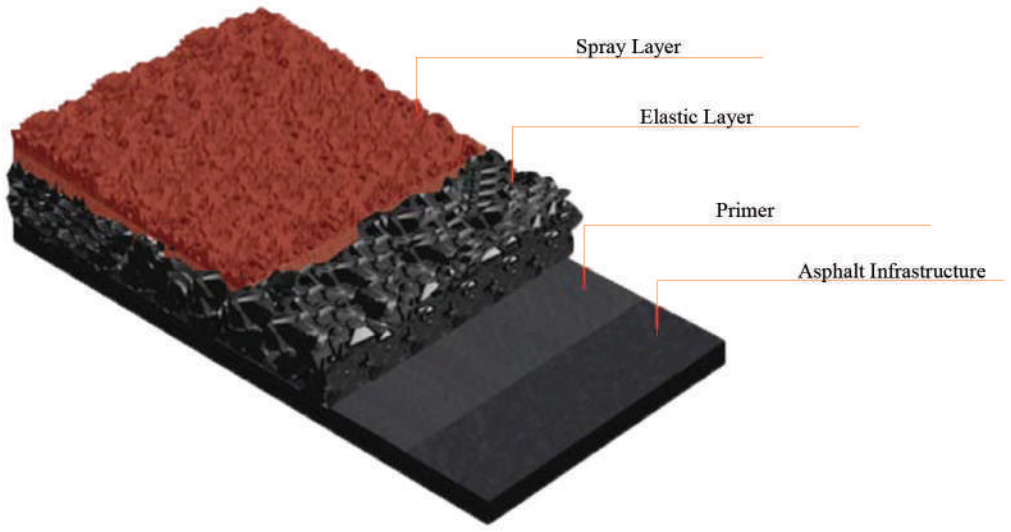
The floor to be sprayed must be free of dirt, rust, moisture and oil. Primer application is made on the existing ground. About this application 1-3.5 mm black SBR or black mixed with polyurethane binder in the mixer EPDM granules are laid by a finisher machine with an average thickness of 10 mm. made primer is applied over this elastic layer and special spraying EPDMs polyurethane two-component self with 0.5-1.5 mm leveling is mixed and applied to the floor.

Primer : 150-160 g / m2 1100 cp
SBR or EPDM : 6250 g / m2 with black granules for a smooth surface for 10 mm is the approximate consumption amount applied.
(Repeat) Primer Application : 110-120 gr / m2
1100 cp 0.5-1, 50 mm colored EPDM 800-1000 gr / m2

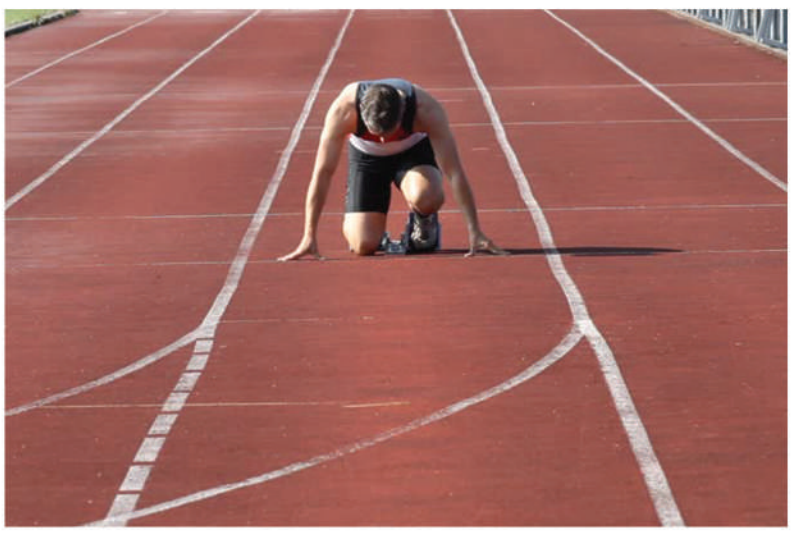
Two Component Self Leveling : 1200-1400 / g / m2; 1, 20 g / cm3

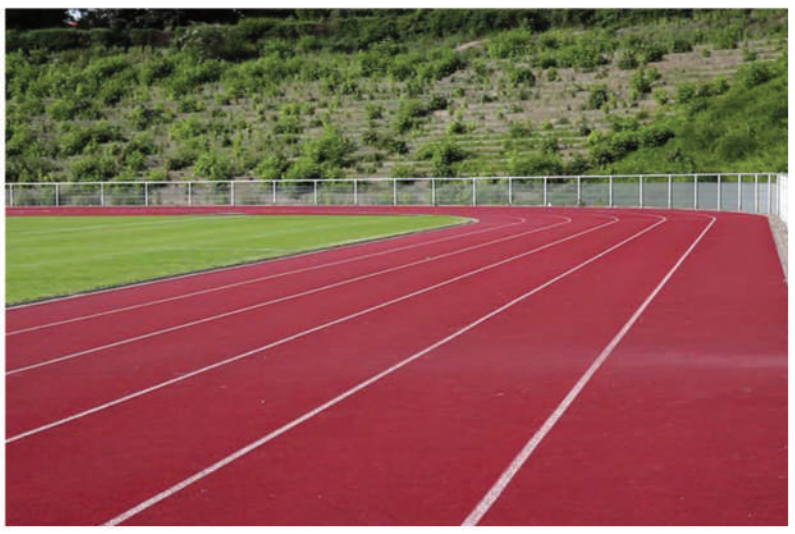
Dust, oil and foreign substances must be removed from surface. On this clean surface primer must be applied. After primer, 1-3, 5 mm black SBR or EPDM granules mixed with polyurethane binder are laid on 10 mm thickness with finisher. On this elastic layer, primer application is repeated and finally, 0,5-1,5 mm colored EPDM granules mixed with two-component polyurethane self levelling are sprayed on surface.

Primer : 150-160 gr/m2 1100 cp
SBR or EPDM : Black granule 6250 gr/m2 for 10 mm, (Approximate consumption amount for smooth surface)
Primer Application-Repeat : 110-120 gr/m2
1100 cp 0, 5-1, 50 mm
EPDM 800-100 gr/m2
Two-component Self Levelling : 1200-1400/ gr/m2; 1, 20 gr/cm3



Polyurethane Spray System





Epoxy Acrylic Cushion System

Fitman Epoxy Acrylic Cushion water-based, acrylic binder, 0.5mm-1.0mm thin layer or 1.0 mm-2.0 mm coarse layered rubber granules It is a material used to give flexibility.

TECHNICAL DATA

Product	: Epoxy Acrylic Cushion
Binder	: % 100 Acrylic
Drying Time	: 1 hour at 25°C, 2-6 hours wait for apply the second layer (It should be observed that the surface completely dry.)
Color	: Grey
Theoretical consumption rate	: Epoxy Acrylic Cushion theoretical consumption rate is 350-500 gr/m2'dir.

SURFACE PREPARATION

Dust, oil, foreign substances must be removed from the surface. The temperature of the surface must be between 10°C - 35°C.

APPLICATION PROCEDURE AND CLEANING EQUIPMENT

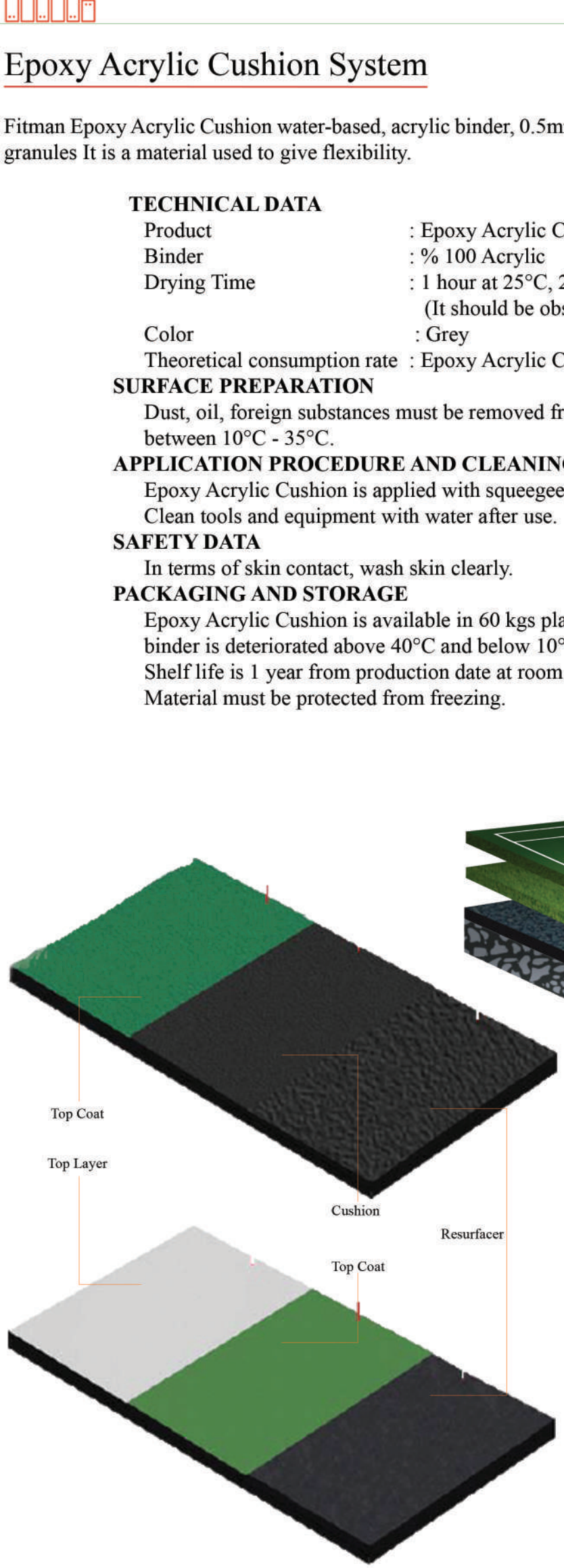
Epoxy Acrylic Cushion is applied with squeegee.
Clean tools and equipment with water after use.

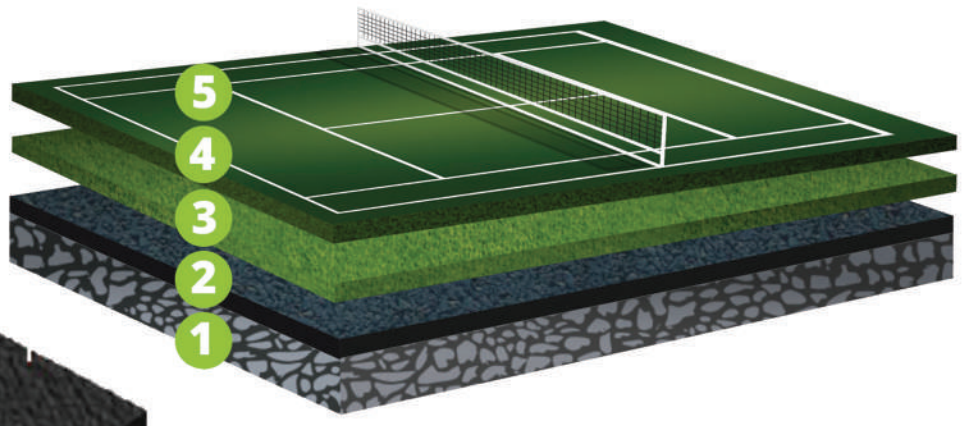
SAFETY DATA

In terms of skin contact, wash skin clearly.

PACKAGING AND STORAGE

Epoxy Acrylic Cushion is available in 60 kgs plastic barrels, should be stored at room temperature. Acryli binder is deteriorated above 40°C and below 10°C.
Shelf life is 1 year from production date at room temperature and appropriate conditions.
Material must be protected from freezing.





Sports Pitches

Tennis Court

Basketball Court

Running Track

Volleyball Court

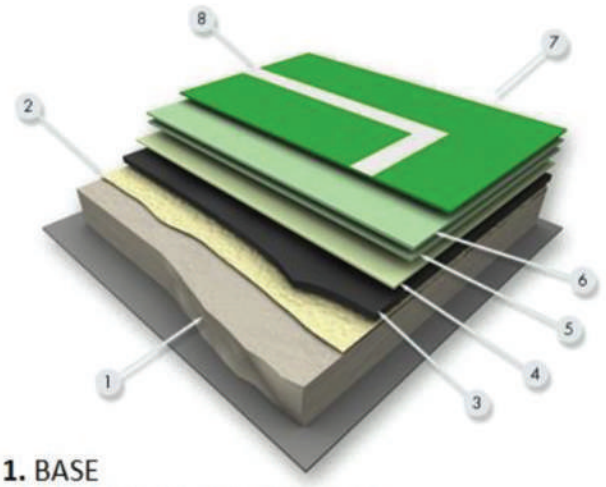
Football Court

Multiple court

Acrylic Coating on Roll Mat

Description

One type of water based acrylic floor coating system especially for outdoor tennis, baseball or volleyball courts. System is consisting of primer, SBR roll, acrylic cushion and acrylic top coat layers.



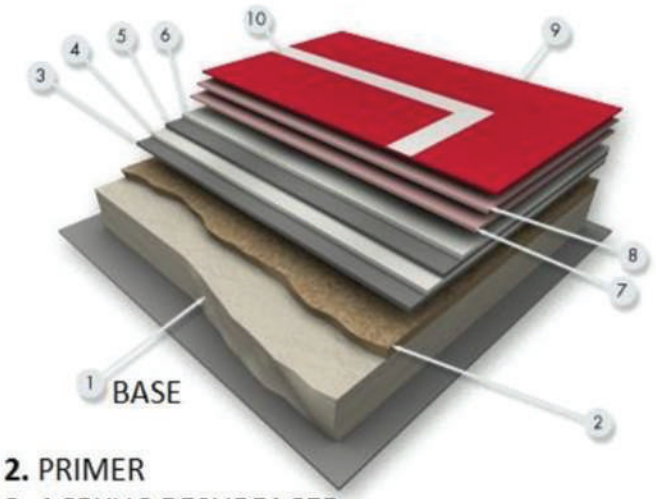
1. BASE
2. POLYURETHANE ADHESIVE
3. SBR ROLL MATT
4. ACRYLIC CUSHION
5-7. ACRYLIC TOP COAT
8. ACRYLIC LINE PAINT

Layers		Consumption (g/m^2)	Mixing Ratio	Properties (25°C)
First Layer	Primer	150-200		
Roll Layer	PU Adhesive	1000	21:4 (A:B)	5000-6000 cP 1,55 kg/L
	SBR Roll (5/8/12 mm)	Length: 16-18 m Width: 120 cm		0,9 kg/L
Acrylic Cushion (2 Layer)	Thin or Thick Cushion	500	%10-20 water	
Acrylic Top Coat	1st Layer	500-600	50-60% sand 30% water	35200 cP 1,29 kg/L
	2nd Layer	250-350	10-20% sand 5-10% water	
Acrylic Line Paint		10-150	30% water	

Acrylic Cushion System

Description

One type of water based acrylic floor coating system especially for tennis courts, baseball or volleyball courts. System is consisting of primer, acrylic resurfacer, acrylic cushion and acrylic top coat layers.



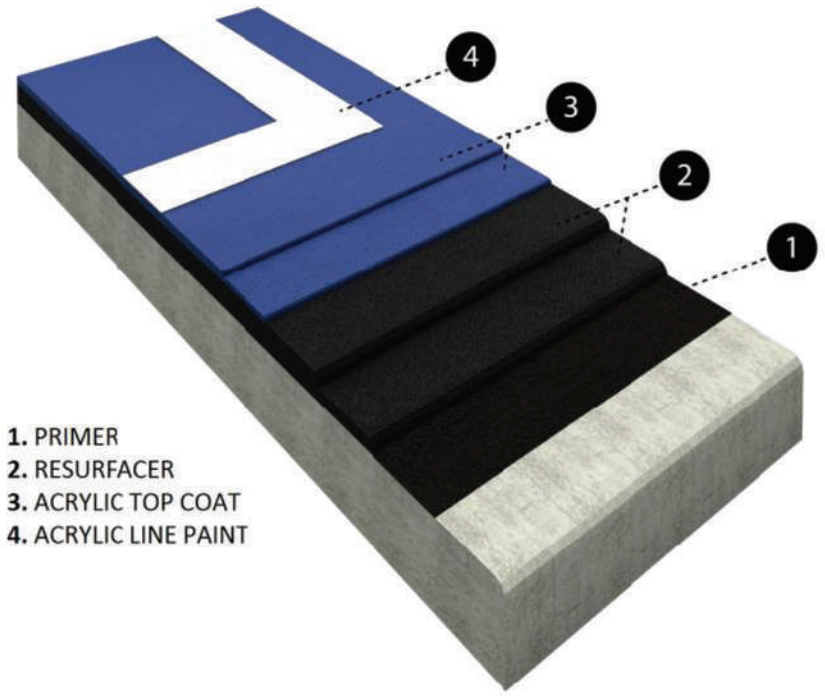
2. PRIMER
3. ACRYLIC RESURFACER
4. ACRYLIC THICK CUSHION
5-6. ACRYLIC THIN CUSHION
7-8-9. ACRYLIC TOP COAT
10. ACRYLIC LINE PAINT

Layers	Consumption (g/m^2)	Mixing Ratio	Properties (25°C)
Primer	50-110		
Acrylic Resurfacer	400-750	25-40% water 50-60% sand	28000 cP 1,28 kg/L
Acrylic Cushion	350-500	10-35% water	
Acrylic Topcoat	1st Layer: 500-600	50-60% sand 30% water	35200 cP 1,29 kg/L
	2nd Layer: 250-350	10-20% sand 5-10% water	
Acrylic Line Paint	100-150	30% water	

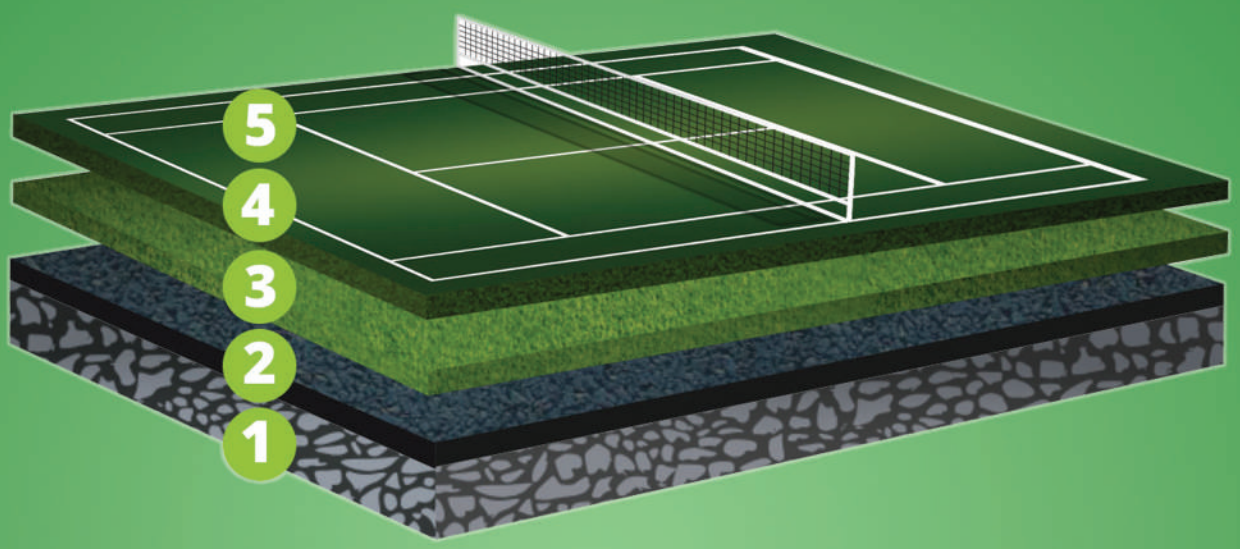
Acrylic Standard System

Description

One type of water based acrylic floor coating system especially for tennis courts, baseball or volleyball courts. System is consisting of primer, acrylic resurfacer and acrylic top coat layers.



Layers	Consumption (g/m^2)	Mixing Ratio	Properties (25°C)
Primer	50-110		
Acrylic Resurfacer	400-750	25-40% water 50-60% sand	28000 cP 1,28 kg/L
Acrylic Topcoat	1st Layer: 500-600	50-60% sand 30% water	35200 cP 1,29 kg/L
	2nd Layer: 250-350	10-20% sand 5-10% water	
Acrylic Line Paint	100-150	30% water	



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FITMAN MATERIALS

Mechanical, Electrical, Plumbing & Finishing

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