

POLYSPORT MAT 1052

UV-RESISTANT, POLYURETHANE-BASED, TWO-COMPONENT, MAT FINISH ALIPHATIC COATING

GENERAL CHARACTERISTICS

POLYSPORT MAT 1052 is a polyurethane, two-component, solvent-based, mat finish aliphatic coating for outdoor sports surfaces.

- It is applied as a final, sealing layer on top of playground floorings made of **SBR rubber** plus **PU binder** mixture, or **EPDM** plus **PU binder** mixture, on safety tiles, or on top of any outdoor sports court in general.
- Provides a mat surface with exceptional resistance in abrasion and various chemical agents.
- It is UV-resistant and thus absolutely suitable for outdoor surfaces.

TECHNICAL DATA

Mixing Ratio (transparent)	83,5 :16,5 (By weight)
Mixing Ratio (colored)	85 :15 (By weight)
Density (20°C)	app. 1,3±0.1 gr/cm ³
Application Temperature	Min 5°C
Curing (20°C)	8-10 hour
VOC	170 g/kg (Council Directive 1999/13/EC) After 12 hours you may walk over it. After 7 days it resists against mechanical load and chemical substances.
Color	Standard plus Colors from color chart

PREPARATION- APPLICATION

- Good, dry cleaning of the surface from dust and residues using vacuum cleaner and squeegees.
 - Caution must be taken so that temperature of the support surface as well as ambient air remains above 15°C during application and curing of the materials while relative humidity does not exceed 75%.
 - The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a homogeneous mix is obtained. Airless sprayer or roller can apply **POLYSPORT 1052**.
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CONSUMPTION

App.200-500 gr/m², depending on the substrate. Apply two coats at least.

PACKAGING

5kg, 15kg set (A+B).

STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 28°C.

REMARKS

- Working time of **POLYSPORT MAT 1052** decreases when ambient temperature rises.
 - Prolonged storage of partially used containers containing **POLYSPORT MAT 1052** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
 - After hardening **POLYSPORT MAT 1052** is completely safe for health.
 - The two layers of **POLYSPORT MAT 1052** will have to be applied strictly within 24 hours of one another (European conditions) **or within 3-6 hours (GCC high-temperature conditions)** in order to cover the surface swiftly and protect it from unwanted weather or other adverse conditions (sand dust, accumulated dirt or foreign matter etc.). In case the 24-hour limit (Europe) or the 3-6-hour limit (GCC) is surpassed or weather or other adverse conditions interfere between layers at any time, the surface might need sanding again to restore smoothness and cleanliness before applying subsequent layers of the aliphatic top coat
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CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water. Flammable before application.

For more information consult the material safety data sheet.

CHEMICAL RESISTANCE

Ammoniac (% 25)	1	
Antifreeze	1	
Acetone		3
Acetic Acid (% 10)	2	
Beer	1	
Benzene		2
Buthanol	3	
Butyl Acetate	3	
Ethyl Acetate	3	
Ethanol	1	
Phormic Acid (% 98)	4	
Formaldehyde	2	
Gas oil	3	
Hydraulic Oil	2	
Hexane	1	
Isopropanol	3	
Chlorined Bleaching Liquid	1	
Cromic Acid (% 50)	1	
Chloric Acid (% 5)	3	
Xylene	3	
Lactic Acid (%3)		2
Liqueur	1	
Grease	1	
Methyl Alcohol	1	
Methyl Ethyl Ketone	3	

Methylene Chloride	1
Nitric Acid (% 5)	1
Oxalic Acid (% 10)	1
Potassium Hydroxide (% 25)	1
Citric Acid (% 10)	1
Sodium Chloride (% 5)	1
Sulphuric Acid (% 30)	4
Sugar (% 20)	1
Water	1

1 :FILM RESISTANT

2: FILM LOW SOFTENING

3: FILM SOFTENING

4: FILM NOT RESISTANT

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.