

POLYSPORT 1053

UV-RESISTANT, POLYURETHANE-BASED, TWO-COMPONENT, FINISH PAINT

GENERAL CHARACTERISTICS

POLYSPORT 1053 is a polyurethane, two-component, solvent-based, finish paint for equestrian flooring systems.

- It is applied as a final, sealing layer on top of seamless rubber floorings for horse stalls, barns, paddocks.
- Provides a 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 (colored)	85 :15 (By weight)
Density (25°C)	1.38-1.48 kg/lt
Viscosity (25°C)	1.000-3.500 mPas
Curing (25°C)	9-12 hour
Application Temperature	15 – 40 °C
Color	Standard plus Colors from Ral catalog

PREPARATION-APPLICATION

Applied on dry surfaces without rising humidity issues, free of materials that might prevent bonding e.g. dust, loose particles, grease etc (in case of asphalt or concrete). The success in the application depends on the right preparation of the underlay and use of the material.

- 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 1053**.

CONSUMPTION

App.200-250 gr/m², depending on the substrate. Apply two layers 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 30°C (avoid sunlight).

REMARKS

- In case the layer of PU top coat is applied after more than 24 hours of the application of the last layer of PU pore filler then the whole surface must be sanded by a special sanding machine. After that the PU top coat can be applied.
- The second layer of **POLYSPORT 1053** has to be applied strictly within 24 hours, depending on the temperature and humidity (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.
- Working time of **POLYSPORT 1053** decreases when ambient temperature rises.
- Prolonged storage of partially used containers, containing **POLYSPORT 1053** must be avoided, as contact with atmospheric moisture could possibly cause clouding of the product.
- After hardening **POLYSPORT 1053** is completely safe for health.

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.

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

KDF - Kataskeves Dapedon LTD
e : exports@kdf.gr w : www.kdf.gr

Showroom Office
1 Papanikolaou Ave, Pefka
57010, Thessaloniki, Greece
t / f : 0030 2310 829598

Accounting Office
19 Mitropoleos Str
54624, Thessaloniki, Greece



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Sports Flooring Systems & Building Materials

50 YEARS OF EXPERIENCE

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

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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.

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