

POLYSPORT DAMP PROOF BARRIER

TWO COMPONENT, SOLVENT-FREE PU-BASED PRIMER, USED AS WATER-BARRIER ON DAMP CONCRETE SUBSTRATES AND AS AN ADHESIVE COMPONENT BETWEEN CONCRETE AND SUBSEQUENT COATINGS

GENERAL CHARACTERISTICS

POLYSPORT DAMP PROOF BARRIER is a clear, PU-based, solvent-free, two-component, resin. It is used as water barrier on damp concrete substrates and as an adhesive component between concrete surfaces and sport coatings or industrial final coatings, such as running tracks, acrylic coatings, polyurethane coatings and epoxy industrial coatings.

TECHNICAL DATA

Basis:	two-component PU-resin
Appearance:	liquid
Colors:	light brown
Viscosity (A+B):	200 – 700 mPa.s
Density (A+B):	1.08 – 1.18 kg/lt
Mixing proportion (A:B):	50%:50% by weight
Application time:	20 – 25 min at 25°C
Temperature for the application and drying of the material:	12 – 40°C after 7 days at 25°C
Final strength:	
Walkability:	after 24 hours at 25°C
Adhesive strength:	3,70 ± 0,05 N/mm ² (breaking of concrete)

SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
Age:	at least 28 days

PREPARATION - APPLICATION

Applied only on dry or damp surfaces or on surfaces with rising humidity. Surface should be free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- Treatment of the surface with a mosaic machine, or with sandblast or milling machine, depending on the condition of the substrate and the thickness of the final coating.

- Good, dry cleaning of the surface from dust and residues with vacuum cleaner and use of squeegees.
- Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
- Following, the **POLYSPORT DAMP PROOF BARRIER** is applied in two or more layers until the surface is saturated and a film is created. If mat spots appear, then another layer is necessary. The next layer follows the other as soon as the previous has dried. The number of layers varies from one surface to another depending on the absorbency.

CONSUMPTION

350-500 gr/m² in two layers depending on the type and the absorbency of the underlay.

APPLICATION TOOLS

Short-haired mohair roller, brush, squeegee for smooth industrial surfaces. Tools should be cleaned with solvent (xylene, toluene) immediately after use.



PACKAGING

Supplied in packages of 30kg (two drums).
Components A and B have the fixed weight proportion.



STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

REMARKS

- Working time of **POLYSPORT DAMP PROOF BARRIER** decreases when ambient temperature and humidity rises.
- It cannot be applied in thickness for closing cracks or holes. In this case it can only be used if mixed with fine dry sand.
- The usage of mosaic/milling/sanding machine or similar must precede the application of **POLYSPORT DAMP PROOF BARRIER** for the creation of pores and the right penetration of the material.
- In case old floors are going to be laid or a long period of time interferes between successive layers (twenty four hours during winter and twelve hours during summer), the surface must be thoroughly cleaned and ground prior to application of a new layer.
- After hardening, **POLYSPORT DAMP PROOF BARRIER** 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.

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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AQUASOFT 8055 COLORED

SPECIALLY MODIFIED, TWO-COMPONENT, SELF-LEVELING COATING FOR KDF AQUASOFT-EX SYSTEM

GENERAL CHARACTERISTICS

AQUASOFT 8055 is a specially, modified, pigmented and solvent free, two component, polymeric self-leveling coating, with good elastic and tensile properties.

AQUASOFT 8055 is easy to apply, it shows a good curing behavior even at low or high temperature.

TECHNICAL DATA

Mixing ratio:	76.92 : 23.08 (By weight)
Viscosity (25°C) :	3.500 – 8.000 mPa•s
Density of mixture (25°C):	App. 1.4 – 1.5 Kg / Lt
Curing (25°C and 60% relative humidity):	After 24 hours
Pot life(25°C):	20-30 min.
Application temperature:	10 – 40 °C
Color:	KDF colorchart

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 squeegee.
- Processing temperature of both components should be between 10-40°C. The A component should be thoroughly stirred to incorporate any slight separation, while continuing stirring the hardener (B component) should be added. Continue stirring until a homogeneous mix is obtained. The mixed material must be used within 20-30 minutes of mixing at 25°C. The well mixed material is applied with a V-notch trowel 5.5 mm and the parallel use of a spiked roller. Then, while the material is still “fresh” broadcasting of the rubber elements occurs. This procedure is performed in 2 layers (2 layers of resin – 2 layers of broadcasting rubber elements).
- Material consumption lies between 2,0-2,3 Kg/m² for **AQUASOFT-EX** system and it depends on the temperature of substrate, ambience and material. Substrate temperatures must not exceed 50°C as this would liquefy the material.
- During the first hours after application, the coating has to be protected from direct contact with water, as this could cause foaming of the material. In case of (expected) rain, **AQUASOFT 8055** should not be applied.

- NOTE: In cases re-coating is required, proceed in the first 24 hours after previous application without the use of primer if the surface is dry and clean.
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CONSUMPTION

2,0-2,3 kg/m².

APPLICATION TOOLS

V-notch trowel, 5.5 mm & spiked roller.



PACKAGING

Supplied in barrels and drums(set).



STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

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.

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ELASTIC ELEMENTS

RUBBER GRANULES

GENERAL CHARACTERISTICS

Type of material: high content rubber

Grain size: 0.5 mm

PERFORMANCE OF SAMPLE 25%

Test item	Performance
Tensile strength (Mpa)	>4.5
Elongation at break (%)	>700
Hardness (shore A)	58
Specific gravity (kg/cm ³)	1.45 ± 0.05

PREPARATION-APPLICATION

Application: water parks, splash parks, swimming pool areas.

REMARKS

- All technical data are correct to the best of our knowledge and are intended to help our customers.
- They do not constitute a guarantee of qualities and provide on bases for legal liability.

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AQUASOFT 8052 COLORED

UV-RESISTANT, POLYMER-BASED, TWO-COMPONENT, GLOSSY FINISH, ALIPHATIC COATING

GENERAL CHARACTERISTICS

AQUASOFT 8052 COLORED is a polymeric, two-component, solvent-based, with glossy finish aliphatic coating for outdoor sports surfaces.

- It is applied as a final, sealing layer on top of splash park floorings.
- It is UV-resistant and thus absolutely suitable for outdoor surfaces, for UV-protection in case of sensitive, light colors such as blue, orange, green.

TECHNICAL DATA

Mixing ratio:	85:15 (By weight)
Viscosity (25°C) :	4.000 – 8.000 mPa•s
Density (25°C):	1.08 – 1.18 Kg / Lt at
Curing (25°C):	9-12 hours
Application temperature:	15 – 40 °C
Color:	KDF colorchart

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 A component should be thoroughly stirred to incorporate any slight separation, while continuing stirring, the hardener (B component) should be added. Continue stirring until a homogeneous mix is obtained.
- The application is done by airless sprayer or short-haired mohair roller in 3 crossing layers.

CONSUMPTION

500-550 gr/m²

Apply three layers at least.

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APPLICATION TOOLS

Airless sprayer or short-haired mohair roller. Tools should be cleaned with PU SOLVENT immediately after use.



PACKAGING

Supplied in set of 20 Kg (two drums).



STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

REMARKS

- Working time of **AQUASOFT 8052 COLORED** decreases when ambient temperature rises.
- Prolonged storage of partially used containers, containing **AQUASOFT 8052 COLORED** must be avoided, as contact with atmospheric moisture could possibly cause clouding of the product.
- After hardening **AQUASOFT 8052 COLORED** 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.

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