EDITION: AUGUST 2019

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):	305 (100 – 400) mPa.s
Density (A+B):	1.05 (1.0 – 1.1) kg/lt
Mixing proportion (A:B):	1:1 by weight
Application time:	20 – 25 min at 25^{o}C
Temperature for the application and drying of the material:	12 – 35^{o}C
Final strength:	after 7 days at 25^{o}C
Walkability:	after 24 hours at 25^{0}C
Adhesive strength:	3,70 $\pm$ 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/m^2 in two layers depending on the type and the absorbency of the underlay.
APPLICATION TOOLS	Nappy rolls, brushes, squeegees 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	At least 12 months in unopened containers in dry places with minimum temperature 5^{o}C.
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.**

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