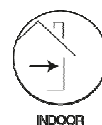


POLYFAST P

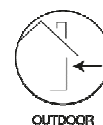
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COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED



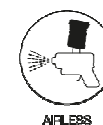
INDOOR



OUTDOOR



SOLVENT BASED



AIRLESS

Elastic polyurethane coating

DESCRIPTION

Elastic coating, based on polyurea resins. Formulated with aromatic isocyanates and particular diamines of different molecular weights. Due to its high resistance it is also suitable for waterproofing car parks. For indoor and outdoor use. For professional use.

Tensile strength DIN 53504: > 19,0 MPa

Elongation at break DIN 53504: > 440 %

Tear resistance ISO 34/1 : 70.13

Shore A/D hardness: 98 / 56

Modulus 100% 7 days 23°C + 14 days 50°C DIN 53504: 9,39

Maximum strain at -20°C: 14,25 Maximum deformation at -20°C: 114% Tear resistance at -20°C ISO 34-1: 112

Acetone, resistant / Hydraulic oil, resistant/ Green gasoline, resistant/ Hexane, resistant / Methanol, resistant / Methanol, resistant / Gasoline + 5%, resistant / Methanol, resistant / Diesel oil, resistant / Sodium hydroxide 5%, 10%, 25% resistant, 50% minimally resistant / sulphuric acid 5%, resistant / 10%, resistant to a limited extent / hydrochloric acid 5%, , resistant / 10%, resistant / acetic acid 10%, resistant / phosphoric acid 10%, resistant / water, resistant / water at 80°C, resistant (tested for 15 days) / sugary water 10 %, resistant.

Resistant: the product resists the substance but there may be changes, even marked changes, in colour.

Resistant only to a limited extent: the contaminant product must be removed as soon as possible

For professional use.

MAIN PROPERTIES

- Self-levelling coating
- Elastic
- Waterproofing
- High chemical resistance



CARRIAGEABLE

TECHNICAL DATA

Classification UNI 8681	C.3.D.1.C.0.CA
Film aspect EN 13300	Glossy (> 60 gloss 60°)
Thickness EN 13300	Class A, fine (< 100 µm)
Maximum applicable thickness	n.a.
Adhesion on concrete	Concrete adhesion UNI 8772/6°: > 1.6 MPa Metal adhesion: > 7.0 MPa Adhesion to fibre cement: > 1.4 MPa
Specific weight	(A+B): 1100 ± 50 g/l
Type of binder	Polyurea (UNI 8681:CH)
Solid content	(A+B): 100%
Pot Life	Approximately 6 seconds
Catalysis ratio (weight)	A: B = 50 : 50
Drying time	Full hardening 2 hours
VOC	Cat S/j: limit 500 g/l (2010) This product contains a maximum of 1 g/l of VOCs

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CHARACTERISTICS	
Colour range	Neutral or coloured upon request
Coverage	1 kg/m ² per mm of thickness
Coverage per pack	
Dilution	Ready to use
Diluted with	n.a.
Overpaintable	After 2 hours, and not more than 36 hours, with any other film-forming product. After 36 hours, careful sanding is required.

APPLICATION

Suitable Substrates:

Fluid product for protecting and waterproofing cement-based substrates, bridge slabs, viaducts, tunnels, tanks, basins, canals; for waterproofing roofs of civil and industrial buildings, and encapsulating fibre cement.

Waterproofing of large-scale parking lots

Preparation of the Substrate:

The concrete substrates must be dry, in good condition, free of any dust or loose materials that do not provide mechanical resistance. On porous substrates, the reactivity of the material, and thus the heat developed, could lead to the formation of holes that pass through the coating as the air trapped in the surfaces heats up.

Application Procedure:

The two-pack product can be applied with a high pressure airless bi-mixer self-cleaning equipment — or better still, a unit where dose and flow rate are controlled by a PLC — fit with a mixing gun without static mixers. The best performance is achieved by spraying the product at a temperature of 80 °C and pressure of 180 Bar. The unit must have heated tank and piping and in-line heaters.

Depending on the surfaces involved, the following treatments are required: blasting followed by skim coating with Epoxy bond extended with Quarzo 04; if the surface is very porous a double skim coating is recommended, sprinkling Quarzo over the fresh resin to improve bonding of the product. Alternatively, or when the surface is damp, apply Aquacem; if necessary, corrugated surfaces can be skimmed with Acquacem extended with Quarzo 06.

Metal surfaces must be dry sanded and immediately covered with Polyurea.

The hardened product can be removed from the unit using methylene chloride, N-methylpyrrolidone, dimethylformamide or thinners for polyurethanes although the latter is less effective.

Type of Equipment:

High pressure airless, bi-mixer type

Ambient Conditions:

min 0°C in the absence of condensation

STORAGE

Packaging:

Pack A 60 Kg - 225 Kg

Pack B 60 Kg - 225 Kg

Duration and Preservation:

6 months when stored in undamaged packages at between 5 and 30°C; cannot endure frost and direct sunlight

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

TECHNOLOGIES/CERTIFICATIONS