



ITALPAINT 10

ALIPHATIC POLYURETHANE COATING MODIFIED WITH ELASTIC RESINS

IN COMPLIANCE WITH THE REQUIREMENTS OF THE 13813 EUROPEAN STANDARD FOR SYNTHETIC RESIN-BASED SCREEDS

Features

- Resistant to fresh and saltwater, detergents.
- Excellent resistance to diluted acids, maximum active chlorine 0,5 % in water.
- Excellent resistance to marine and industrial atmosphere.
- Hard surface resistant to impacts and abrasion.
- UV resistance, no yellowing.
- Elongation on polyurea ≥ 70 %.
- Applicable from +5°C on the support.
- Working temperature from -30°C to + 90°C in air.

Field of use

- Finish for UV protection for coatings made of **REFLEX M1**.
- Finish for polyurethane coatings (like **POLIFLOOR PU 30** and **POLIFLOOR PU 90**).
- Finish for epoxy-polyurethane coatings.

Application

Substrate preparation

Substrate preparation is fundamental, thus the surface to be treated must be free of any pollutant, dry, coherent and must have a tear resistance of at least 1,5 MPa. In any case it is necessary, depending on the type of surface, to make a preparation of the flooring by sandblasting, milling, shot peening, smoothing or sanding.

Free and stagnant water coming from the foundation, from previous washing processes or from meteorological events must be removed or dried.

Steel surfaces must be sand-blasted in compliance with SSPC-SP10 to the Sa2^{1/2} grade; if sandblasting is not feasible, make an appropriate mechanical polishing. Subsequently apply the primer **FLOORFIX 44**.

Primer

In the absence of counterthrust, one layer of about 200-300 g/m² of **ITALPOX 54** must be applied.

If the surface is subjected to humidity in counterthrust, it must be treated first with about 500-1000 g/m² of **EPOXCEMENT TIXO**, subsequently about 200-300 g/m² of **ITALPOX 54** or **FLOORFIX 63** must be applied.

Product preparation

Two-component product to be mixed before use.

Depending on the application, the product can be thinned with 5-10 % of **DILUENTE PU1**.

Application

It can be applied with the usual equipment: brush, roller, airless spray gun with 0,019-0,021 inches nozzles with a 120 bar pressure.

Tools cleaning

The tools must be cleaned with **DILUENTE PU1** after use.

Technical data

Colour	RAL colours	-
Density	1,19 ± 0,05 kg/l	EN ISO 2811-1
Viscosity at 20°C	75 ± 15 seconds	ISO 2431 Cup Ø6
Pot life at 25°C	4 hours	UNI EN ISO 9514
Mixing ratio		
Parts by weight of comp. A	100	-
Parts by weight of comp. B	30	
Theoretical consumption	150 g/m ²	-
Theoretical thickness	70 µm	-
Non-volatile-matter content		
By weight	70 %	EN ISO 3251
By volume	60 %	

After having hardened the product can be subject to accidental contact with food.

Curing

At 22°C, 50 % R.H.	
- Touch dry	2 hours
- Overlaying	12 hours
- Hardened deeply	48 hours
- Complete curing	10 days

Storage

The product in the original sealed packaging, stored in a dry and sheltered place at a temperature comprised between +5°C and +35°C, is preserved for 12 months.

Safety

In the application of this product it is advisable to use goggles, rubber gloves and all the PPE required by the laws on the use of chemical substances.

For all the additional information consult the material safety data sheet of the product.

		
PERFORMANCES IN COMPLIANCE WITH CERTIFICATION CE EN 13813		
Product type 3100		DoP 116
Characteristics	Product performance	Test Method
Reaction to fire	F _{FL}	EN 13501-1
Corrosive substances release	SR	
Wear resistance	AR0,5	EN 13892-4
Bond strength	B2,0	EN 13892-8
Impact resistance	IR4	EN ISO 6272
Resistance to severe chemical attack	CR4 (Class II) CR10 (Class I), CR11 (Class II), CR14 (Class II)	EN 13529

CR4: 60 % toluene, 30 % xylene, 10 % methylnaphthalene

CR10: Sulphuric acid at 20 %

CR11: Sodium hydroxide at 20 %

CR14: Surfactants

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