



HYPERFLOOR-2K[®]

Two component Self Levelling, Slightly Elastic Polyurethane Flooring Resin

DESCRIPTION

Hyperfloor-2K[®] is a two component, self levelling solvent free polyurethane material that upon curing produces a strong, slightly elastic film with excellent adhesion to various surfaces.

The product is based on pure hydrophobic polyurethane resin plus special inorganic fillers that provide the material with excellent abrasion and Chemical Resistance.

APPLICATIONS

- Industrial Floors
- Ship Decks
- Food, Chemical and Pharmaceutical Industries
- Refridgeration cells
- Secondary containment
- Asphalt floors
- Tanks
- Car parks

FEATURES & BENEFITS

- Solvent free
- Long pot life
- Temperature Resistance from -40°C up to 90°C.
- Excellent mechanical properties, high tensile and tear strength, abrasion resistance.
- Excellent chemical resistance.
- Finally the material when cured it is absolutely not toxic and it can be used for the impermeabilization of drinking water tanks as well.

APPLICATION

Concrete substrate conditions (standard):

- Hardness: R₂₈ = 15Mpa
- Humidity: W < 10%
- Temperature: from 5 °C - 35 °C
- Relative humidity: < 85%

Clean the surface, using jet water if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed. Fill surface irregularities with adequate products.

MIXING:

Use a low speed (300rpm) electric drill.

PLACING:

Apply undiluted with a spatula. Hyperfloor 2K may be charged with quartz, for color retention (slight discoloration occurs when exposed to sun light) apply a pigmented coat of Hyperdesmo ADY (glossy), Hyperdesmo ADY-100 (matte) or for a more elastic topcoat Pigmented Hyperdesmo ADY-E.

PACKAGING

15,5 Kg + 4,5Kg (20 Kg)

3,87 Kg + 1.25 Kg (5 Kg)

SHELF LIFE

HYPERFLOOR-2K[®] can be kept for minimum 12 months in the original unopened pails at a temperature of 5 °C - 25 °C in dry places.





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TECHNICAL SPECIFICATIONS OF HYPERFLOOR-2K

The Liquid product:

PROPERTY	UNITS	METHOD	SPECIFICATION
-Pot Life (25°C) & 55% RH	Min.	Internal Method	20-30
-Viscosity (BROOKFIELD) upon mixing	cP	ASTM D2196-86, at 25°C	3000
- Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, at 20°C	Component A (hardener): 1.2 Component B (resin) : 1.26
-Tack free time, at 77deg F (25°C) & 55% RH	hours	-	2-3

The Film:

PROPERTY	UNITS	METHOD	SPECIFICATION
-Service temperature	°C	-	-40 to 80
-Max. temperature short time (shock)	°C	-	200
-Hardness	Shore D	ASTM D2240 / DIN 53505 / ISO R868	>60
-Tensile Strength at break at 23°C	N/mm ²	ASTM D412 / DIN 52455	>30
-Percent Elongation at -25°C	%	ASTM D412	>50
-Water Vapour Transmission	gr/m ² .hr	ASTM E96 (Water Method)	@0,8

None of our instructions and specifications in writing is binding in general and with respect to any third parties protective rights in particular, or do they relieve you of your duty to subject our products to an adequate examination with regard to their suitability.

