COATINGS - acrylic

1323407

VERPLAST

Asbestos encapsulation coating

Coating formulated with special water based resin, suitable to encapsulate asbestos-cement (eternity), according to current regulations. The product can be used also to coat those surfaces subjected to strong dilatation (prefabricated panels) or concrete surfaces. Thanks to its high waterproofing capability, it is able to waterproof water infiltration.

BENEFITS

- Easy and quick application
- During restoration phase, it is possible to work inside the building
- Excellent capabilities to consolidate and fix asbestos fibres
- High resistance to weathering, UV rays and salts
- Waterproof
- Excellent elasticity both at high and low temperatures
- Long lasting
- It can be applied even during winter time (up to +5°C)
- Solvent free

APPLICATION FIELD

The product is suitable to encapsulate asbestos according to UNI 10686.
Particularly, it is suitable for the following interventions:

- **Type A** – visible outside
- **Type B** – visible inside
- **Type C** – not visible

Verplast can be used to coat:

- concrete surfaces subjected to strong dilatation;
- prefabricated concrete panels.

Product for outdoor.

YIELD

1,0 kg/m^2.

COLOUR

White, red, green, grey.
Upon request it is possible to realize customised colours for a minimum quantity of 500 kg.

PACKAGING

20 kg plastic bucket.
Pallet: 36 buckets (720 kg).

STORAGE

Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C and +35°C. Storage time: 24 months.

PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- Substrate temperature must be between +5°C and +35°C.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts and perfectly levelled.
- Remove dust, greases and oils washing the surface with water jet and let dry.

Any encapsulation procedure must be done in accordance with current regulations.

MIXING

The product is one component, ready to use. Dilute with at max of 20% of water. Before application, mix the product with drill mixer at high speed.
The water indicated on the packaging is indicative. It is possible to obtain more or less fluid mixture depending on the application to do. Do not add antifrost product, cement or aggregates.

CONTRIBUTES TO LEED® CREDITS

LOW ECOLOGICAL IMPACT

INDOR AIR QUALITY VOC LOW emission

For application videos, product page, safety data sheet and other information.

DIASEN IMPROVE YOUR BUILDING

Technical Data

Features		Units
Yield	1,0 kg/m^2	kg/m^2
Aspect	semidense	-
Colour	white, red, green, grey	-
Dilution	max 20% of water	-
Waiting time between 1st and 2nd coat (T=20°C; R.H. 40%)	4	hours
Application temperature	+5 /+35	°C
Max humidity	70%	-
Drying time (T=20°C; R.H. 40%)	4	hours
Working temperature	-15 / +60	°C
Storage	24 months in original containers and in dry place	months
Packaging	secchio in plastica da 20 kg	kg

LEED® Credits

Standard GBC HOME

Thematic Area	Credit	Point
Materials & Resources	MRp2 - Construction Waste Management	compulsory
	MRc2 - Construction Waste Management	from 1 to 2
	MRc3 - Low Emitting Materials	from 1 to 3
	MRc5 – Materials extracted, processed and produced in short distance (regional materials)	from 1 to 2
Innovation and Design Process	IPc4 – Innovation and Design Process and regional priority	from 1 to 5

Standard LEED for New Construction & Major Renovation, LEED for Schools, LEED for Core & Shell, v. 2009

Thematic Area	Credit	Point
Materials & Resources	MRc2- Construction Waste Management	from 1 to 2
	MRc5 – Regional Materials	from 1 to 2
Innovation and Design Process	IDc1 – Innovation in Design	from 1 to 5

Standard LEED Italy for New Construction & Major Renovation, v. 2009

Thematic Area	Credit	Point
Materials & Resources	MRc2 - Construction Waste Management	from 1 to 2
	MRc5 – Materials extracted, processed and produced in short distance (regional materials)	from 1 to 2
Innovation and Design Process	IPc1 – Innovation in Design	from 1 to 5

Coatings - acrylic

Final performances		Units	Regulations	Results
Dilatation	- 20°C 177% + 20°C 300%	-	-	-
Waterproofing	-	-	-	waterproof
Weathering Test	1500	hours	UNI EN ISO 11507	resistant

APPLICATION

Asbestos encapsulation system

Any encapsulation procedure must be done in accordance with current regulations.

1. Apply a first coat of *Eposint* primer by roll or airless to impregnate the support.

2. When the primer is dry, apply a first coat of *Verplast* by air-less, water squeegee, roll or brush. In case of rain over a non perfectly dry surface, carefully verify the suitability of the next covering.

3. When the first coat is dry (after about 4 hours), apply a second coat with the same system, taking care to cross the two layers to completely cover the entire surface. The two coats are of two different colours to ensure the total coverage of the surface.

Required thickness by the current regulation must be respected depending on the type of intervention:

- **Type A** – average total thickness = 0,3 mm
  Minimum thickness = 0,25 mm
- **Type B** – average total thickness = 0,25 mm
  Minimum thickness = 0,20 mm
- **Type C** – average total thickness = 0,20 mm
  Minimum thickness = 0,20 mm

Application to concrete

1. With humidity problems apply *WATstop* as vapour barrier (coverage: 0,6 kg/m^2, see technical data sheet).

2. Without humidity problems over smooth surface apply *D20* and wait until it is completely dry (see technical data sheet).

3. When the primer is dry, apply a first coat of *Verplast* by air-less, water squeegee, roll or brush. In case of rain over a non perfectly dry surface, carefully verify the suitability of the next covering.

4. When the first coat is dry (after about 4 hours), apply a second coat with the same system, taking care to cross the two layers to completely cover the entire surface.

DRYING TIME

At 20°C and 40% of relative humidity level, the product drying time is 4 hours.

• Drying time is influenced by relative humidity level and by temperature and may change significantly.

SUGGESTIONS

• At a later time, if you see the colour of the first coat, it is necessary to restore the encapsulation system.

• Do not apply at temperatures lower than +5°C or higher than +35°C.

• During summer season apply the product in the cooler hours of the day.

• Do not apply with imminent threat of rainwater or ice, in case of strong fog or relative humidity level higher than 70%.

CLEANING

Wash tools with water.

SAFETY

For the handling wear means of personal protection and see product safety sheet.

DIASEN Srl - Z.I. Berbentina, 5 - 60041 Sassoferrato (AN)
Tel. +39 0732 9718 - Fax +39 0732 971899
diasen@diasen.com - www.diasen.com