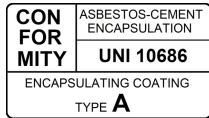


AMIANTOPLAST

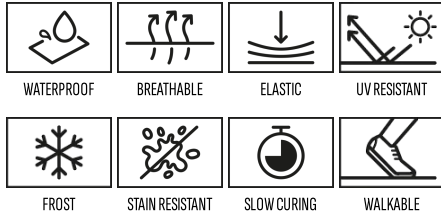
Asbestos-cement encapsulating liquid membrane



Certifications:
- UNI 10686 • Type A



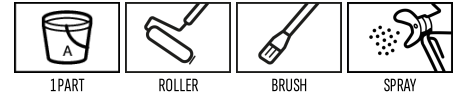
TECHNICAL FEATURES



FIELD OF APPLICATION



APPLICATIONS



Description

AMIANTOPLAST is a one-component, water-based liquid membrane consisting of an aqueous emulsion of polymers, modifiers, additives, pigments and inorganic fillers. After maturation, AMIANTOPLAST has good vapor permeability characteristics, high resistance to water and atmospheric agents that make it suitable as a waterproofing for roofs. Thanks to its characteristics AMIANTOPLAST it is suitable as an encapsulant in the recovery of asbestos cement roofs.

Certifications

► UNI 10686

AMIANTOPLAST is a product certified according to UNI 10686, in compliance with the requirements of the Decree of the Ministry of Health 20/08/1999 (Official Gazette no. 249 of 22/10/1999), and is therefore suitable for use as an encapsulant according to class "

The Test Report for attesting encapsulating properties is available.

Colour

AMIANTOPLAST is available in the following colors:

- BIANCO (WHITE)
- GRIGIO (grey)

Field of application

Realization of visible surface waterproofing coatings and, in particular, of encapsulation cycles for the reclamation and recovery of asbestos cement products.

Advantages

- Easy to apply.
- Excellent adhesion to the substrate.
- Very low cost.

Specific preparation of the laying substrate

The most frequent use of the product takes place in the recovery of asbestos-cement products. Below is summarized the laying technique in this area.

AMIANTOPLAST

► Preparation of security systems

- Install adequate scaffolding around the building and set up the safety protections required by current legislation in the application phases.
- The minimum equipment of the operators must include: light and non-slip shoes, safety belt with appropriate anchoring system, nebulizer or sprayer, protective suit, gloves and mask with P3 filter according to EN 143.

► Preparation of the substrate

- The encapsulating treatment must be preceded by a thorough cleaning of the plates.
It is advisable to wash with a wet machine without water jets, or to divert the flow to avoid splashes in the air.
- After drying, apply a primer coat PRIMER PLS or SOLPLAST PU (see Technical Data Sheets).

► Choice of anchoring base

- PRIMER PLS or PRIMER SOLPLAST PU are both specific impregnating agents capable of penetrating asbestos cement, binding and consolidating the particles in depth and optimising adhesion to the substrate of the subsequent treatment with AMIANTOPLAST.
- PRIMER SOLPLAST PU, in addition, allows the application of AMIANTOPLAST even in the presence of moss pollution on the surface, without the need to proceed with washing.
- Consumption for the anchoring base (indicative for both): $0.15 \div 0.20 \text{ L/m}^2$.

NOTE: In some special situations it is necessary to treat the laying surface with an adhesion promoter before applying AMIANTOPLAST.

► Old bituminous membranes

- Apply a coat of FONDO IGRO SL (see Technical Data Sheet).
- When fresh, sprinkle with 0.4 - 0.6 NATURAL QUARTZ sand.

Product application

- Proceed with the application of AMIANTOPLAST within half an hour of treatment with PRIMER SOLPLAST PU and within a day or more with PRIMER PLS.
- Stir AMIANTOPLAST in the container with a professional stirrer before use.
- Apply to the roof treated with the anchoring primer as follows:
 - Spraying (airless) with an airless pump (pressure: 3 - 4 bar, nozzle 21, opening 40), in two or three coats.
 - Brush or with special rollers for corrugated roofs.
- In any case, apply a quantity of AMIANTOPLAST not less than 1.2 kg/m^2 , in two coats of different colors spaced 6 - 24 hours apart.
- If the rooms below are not protected by suspended ceilings or otherwise, the laying treatment should also be carried out on the lower face of the roofing (soffit), without pre-washing, in order to protect the personnel usually working in the structure.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
To achieve a thickness $(0.60 \pm 0.05) \text{ mm}$	1,20	1,30	kg/m ²	-

Tool cleaning

- Fresh product: cleaning with water (also hydrowashing).
- Hardened product: mechanical removal, soaking for at least 24 hours in acetone, SOLVLINE CLEANER or nitro thinner or use of paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful tips for laying

- Suspend application if there is a threat of rain, snow, fog and when the temperature is below +5 °C.
- The product is not dangerous, however, consult the Safety Data Sheet before use.

Technical Data

AMIANTOPLAST

► PRODUCT IDENTIFICATION DATA		value
Density at 23 °C, 50 %RH, EN ISO 1675	kg/L	1,35 ± 0,05
Brookfield Apparent Dynamic Viscosity (23°C / 50% RH; ASTM#5 spindle, 20 rpm), EN ISO 2555	mPa·s	15000 ± 2000
Consistency	-	Coloured viscous liquid
Odor	-	Characteristic
► APPLICATION DATA AND FINAL PERFORMANCE		value
Surface drying time (23°C, 50%RH), EN ISO 9117-3	Min	45 ± 5
Minimum ripening temperature	°C	+8
Water impermeability, test time 24 hours), EN 1928	kPa	≥ 300
Water vapour permeability (μ), DIN 52615	-	20100 ± 2000
Water vapour permeability, SD equivalent air thickness, thickness 0.6 mm, EN ISO 7783	m	12,1 ± 0,9
Tensile strength at +23 °C, tensile speed 50 mm/min, EN ISO 527-1	Mpa	> 10
Elongation at break at +23°C, speed 50 mm/min, EN ISO 527-1	-	> 100%
Cold flexibility, EN 495-5	°C	≤ 0
Adhesion to the substrate (pull-off), 0.34 mm specimen thickness, without ageing, EN ISO 4624	Mpa	1,95 ± 0,02
Adhesion to the substrate (pull-off), 0.34 mm specimen thickness, after freeze-thaw cycles as per the UNI 10686, EN ISO 4624 standards	Mpa	1,98 ± 0,02
Adhesion to the substrate (pull-off), 0.34 mm specimen thickness, after sun-rain cycles as per the UNI 10686, EN ISO 4624 standards	Mpa	1,98 ± 0,02
Water impermeability, sample thickness 0.34 mm, without aging, UNI 10686	-	No penetration
Water impermeability, sample thickness 0.34 mm, after freeze-thaw cycles, UNI 10686	-	No penetration
Water impermeability, sample thickness 0.34 mm, after accelerated aging UVB/Condensate, UNI 10686	-	No penetration
Classification as an encapsulating agent, UNI 10686	-	Type A

Product storage

- 24 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.
- Protect the product against frost.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET COMPONENTS	NOTES
GREY	plastic bucket - 5 kg	NO	120 buckets	
GREY	plastic bucket - 20 kg	NO	33 buckets	
GREY filtered at 125 microns (spray version)	plastic bucket - 20 kg	NO	33 buckets	
GREY	plastic drum - 200 kg	NO	4 drums	
GREY filtered at 125 microns (spray version)	plastic drum - 200 kg	NO	4 drums	
GREY	IBC tank - 1300 kg	NO	-	
GREY filtered at 125 microns (spray version)	IBC tank - 1300 kg	NO	-	
GREEN	plastic bucket - 5 kg	NO	120 buckets	
GREEN	plastic bucket - 20 kg	NO	33 buckets	
GREEN filtered at 125 microns (spray version)	plastic bucket - 20 kg	NO	33 buckets	
GREEN	plastic drum - 200 kg	NO	4 drums	
GREEN filtered at 125 microns (spray version)	plastic drum - 200 kg	NO	4 drums	
GREEN	IBC tank - 1300 kg	NO	-	

AMIANTOPLAST

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	NOTES
GREEN filtered at 125 microns (spray version)	IBC tank - 1300 kg	NO	-		

ADR legend:

NO = NON-DANGEROUS goods

P* = DANGEROUS goods packed in limited quantities (packed as per ADR Chapter 3.4)

Si = DANGEROUS Goods

LEGAL NOTES

Any advice concerning the methods of use of our products reflects the current state of knowledge and does not imply any guarantee and/or responsibility as to the outcome of the application. Consequently, the customer must verify the product's suitability for the intended use and purposes by testing the product in advance. The Internet website www.nordresine.com contains the latest revision of this technical sheet: in case of any doubts, verify the date of revision (where missing, use the date of issue) by consulting the "PRODUCTS" section.

EDITION

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