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# Bloccamianto

ENCAPSULATING PAINT FOR ASBESTOS



SERIES 389

BLOCCAMIANTO - V.2024-09-23

## DESCRIPTION

A water-based paint devised for the specific purpose of encapsulating asbestos cement surfaces. The film applied creates an efficient elastic sheath which prevents asbestos fibres from being released into the atmosphere.

The product has been awarded a special certificate by the ISTITUTO GIORDANO S.P.A. institute attesting to its suitability for rendering asbestos inert.

The elastomeric acrylic resins making up the product provide the film applied with a high level of elasticity, capable of resisting any dilatation of the surface. In addition offers particularly good chemical and outdoor resistance.

## INSTRUCTIONS FOR USE

Its special properties mean the product can be applied on asbestos cement both indoors and out.

BLOCCAMIANTO encapsulates the asbestos - therefore rendering it inert - as well as providing a protective finish.

## TECHNICAL SPECIFICATIONS

-Type of Binder: elastomeric acrylic polymer.

-Solvent: water.

-Specific gravity per UNI EN ISO 2811-1:  $1.40 \pm 0.10$  kg/l

-Solids content mass:  $66 \pm 2\%$ .

-Viscosity per UNI 8902:  $34400 \pm 2400$  cps at 25 °C (Brookfield viscometer).

-Drying time (at 25 C and 65% R.H.): to touch dry in 1 hour; to recoat after at least 16 hours.

-Suitability for rendering asbestos inert per UNI 10686 norme:

\* Class A: technical report n. 148529

\* Class B: technical report n. 148527

\* Class C: technical report n. 148525

\* data certified by the ISTITUTO GIORDANO institute.

## PREPARING THE SURFACE

The hazard asbestos fibres represent for the health of people and the

environment means the person performing work on surfaces based on this element must first consult the Local Health Authority which will provide instructions and operating procedures allowed by the directive in force regarding the treatment and disposal of waste materials containing asbestos (Law 257 dated 27 March 1992).

-Where the surface is affected by mould or moss, treat the surface with COMBAT 222 4810222 and subsequently with COMBAT 333 4810333.

- Remove any dust (following technical procedures in accordance with the Law 257 dated 27/3/92)

- Once the surface is dry, apply fixative as follows:

- On exterior surfaces: apply 1 coat of ISOMARC 4410111 quick-drying fixative masonry sealer thinned at 40-100% with Thinner for ISOMARC 5210011.

-On interior surfaces: apply 1 coat of IDROFIS SPECIALE water-borne masonry fixative 4700006 suitably thinned with water.

- In order to obtain adequate protection, a dry film with an average thickness of 300 micron must be applied, and no one point must be less than 250 microns. The painting system must necessarily be composed of an initial 1-2 coats of coloured encapsulating paint, and a subsequent coat with a different colour which contrasts with the one underneath. This last coat must be applied so that the efficiency of the encapsulation can be immediately determined when periodically examined. The thickness of this last coat must not be less than the underneath. If the last coat is damaged, and the colour underneath is present, it is better to repeat the encapsulating system.

(The thinning of the sealer and the quantity to be applied depend on the level of absorption of the surface and should be determined by performing preliminary tests on the specific surface.)

## APPLICATION INSTRUCTIONS

Air and support surface conditions:

Air temperature: Min. +8 °C / Max. +35 °C

Relative environmental humidity: <75%

Support surface temperature: Min. +5 °C / Max. +35 °C

Moisture level of the support surface: <10%

- Avoid applying when surface condensation is present, or in direct sunlight.

- After application, outdoor surfaces must be protected from rain and moisture until the product has dried completely, which normally (at 20°C) takes place after approximately 48 hours.

- Tools: brush, long-bristle wool roller, spray gun, airless system.

- N coats: at least 2-3 coats of the product must be applied in order to obtain the characteristics certified by the ISTITUTO GIORDANO institute.

Classification of encapsulant products:

\* Encapsulants type A for application to exterior exposed surfaces and on the intrados of plates where the extrados is in contact with the environment:

The encapsulating product must be applied in two coats of contrasting colors, with minimum overall thickness of 300 microns; the thickness of the last coat of a different color must not be more than 20% compared to the undercoat.

\* Encapsulants type B for the application on the interior exposed surfaces: Application of two coats of contrasting colors with a minimum thickness of 250 microns

\* Encapsulants type C on not exposed surfaces subsequently covered with false ceilings, etc.: Application respecting a minimum total thickness of 200 microns.

\* Encapsulants type D for removal interventions or during disposal operations to avoid the dispersion of fibers into the environment. It is not expected the thickness

of the coating so it should be applied therefore the quantity of encapsulant indicated by the paint manufacturer.

CLASS A: Total thickness 300 micron  
Different colour coats / thickness in micron / yield in l/sq.m.  
1st coat / 150 / 0,3  
2nd coat / 150 / 0,3

CLASS B: Total thickness 250 micron  
Different colour coats / thickness in micron / yield in l/sq.m.  
1st coat / 120 / 0,24  
2nd coat / 130 / 0,26

CLASSE C: Total thickness minimum 200 micron  
The paint may be applied in an only colour.  
Coats / thickness in micron / yield in l/sq.m.  
1st coat / 100 / 0,2  
2nd coat / 100 / 0,2

CLASSE D:  
To remove asbestos surfaces, the D.M. law does not supply precise indications.  
Adhere to the indications of the producer:  
-the paint may be applied in an only colour.  
-total thickness: 30 micron by a yield of 0,06 l/sq.m (16 sq.m./l)

- Thinning with water: by brush at 0-5%; by brush at 0-10%; by spraying at 0-15%.  
- Tools should be cleaned immediately after use using water.  
- Indicative spreading rate: variable depending on the type of surface and application. See information above.

**TINTING** | The product can be tinted using the universal colouring pastes of the MARCROMIE tinting system.

**STORAGE** | Maximum temperature for storage stability: +30 °C  
Minimum temperature for storage stability: +5 °C  
The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

**SAFETY RULES** | Limit value EU (Dir. 2004/42/EC)  
Cat. A/i: One-pack performance coatings (water-base): 140 g/l (2010)  
The product contains max: 140 g/l VOC  
  
Use the product in accordance with the hygiene and safety regulations in force; avoid litter with the containers, allow the remains to dry well and treat as special waste.  
For further information consult the safety data sheet.

**SPECIFICATION ITEM** | Applications, on previously prepared surfaces, of BLOCCAMIAN TO Encapsulating paint for asbestos cement series 389, based on water-based elastomeric acrylic polymer, suitable for encapsulating surfaces featuring

asbestos, to realize thickness of: 300 micron for encapsulating type A (yield 0.6 l/sq.m.); 250 micron for encapsulating type B (yield 0.5 l/sq.m.); 200 micron for encapsulating type C (yield 0.4 l/sq.m.); 30 micron for encapsulating type D (yield of 0.06 l/sq.m.).

Supply and application of the material € ..... per sq m.