

LIQUIGUM AMIANTO

ENCAPSULATING PAINT FOR ASBESTOS-CEMENT

code A719000

DESCRIPTION

It creates a flexible membrane that effectively blocks the release of asbestos fibers into the environment. High elasticity of the applied film, resistant to thermal expansion of the substrate. It protects the support surface from the formation of molds and fungi and has particular resistance to chemical and atmospheric agents.

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

INSTRUCTIONS FOR USE

Its special properties mean the product can be applied on asbestos cement both indoors and outdoors. LIQUIGUM AMIANTO 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 8910: 1.40 ± 0.10 kg/l

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

Viscosity per UNI 8902: $35000 \pm 10\%$ cps at 25 °C (Brookfield viscometer).

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

-Suitability for rendering asbestos inert per UNI 10686 norme:

* Class A: technical report n. 148528

* Class B: technical report n. 148526

* Class C: technical report n. 148523

* 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 and subsequently with COMBAT 333 (San Marco products).

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 interior surfaces apply water-borne fixative IDEALFIX.

-on exterior surfaces apply solvent-borne fixative ISOLPLAST R210.

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.

APPLICATION INSTRUCTIONS

- 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)

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Thinning with water: by brush at 0-5%; by brush at 0-10%; by spraying at 0-15%.

Do not apply the product when the relative humidity of the environment is >80% and the moisture of the substrate >10%, and when the temperature of the environment and/or substrate is below +5°C or above +35°C.

Avoid applying the product when exposed to direct sunlight.

After application, exterior surfaces must be protected from rain and moisture until the product has dried (normally about 48 hours at 20°C).

Clean the equipment immediately after use with water.

Indicative spreading rate: variable depending on the type of surface and application. See information above.

conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets. For further technical information call the technical service +39 041 4569322.

TINTING

The product is available in the following colours: white, grey and red.

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 (2007) / 140 g/l (2010)

LIQUIGUM AMIANTO contains max: 140 g/l VOC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment / Keep out of the reach of children / Do not empty into drains / Wear suitable protective clothing and gloves / If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Consult the safety sheet for additional information.

SPECIFICATION ITEM

Applications, on previously prepared surfaces, of LIQUIGUM AMIANTO 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.).

COLORIFICIO SAN MARCO guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application

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