



CEAM  
SYSTEM

# ELASTOCEAM

LIQUID WATERPROOFING  
FINISHING MEMBRANE FOR ASBESTOS CEMENT

Technical data sheet

## Description

Liquid waterproofing protective membrane to be used as a finishing layer in asbestos cement recovery systems.

Waterproofing covering product based on emulsified polymers containing special additives providing excellent resistance to UV rays and atmospheric agents.

## Fields of application

ELASTOCEAM is part of CEAM SYSTEM requirements for recovery and reclamation of asbestos cement products according to the law n° 257 of 27 march 1992.

System certification from ISTITUTO GIORDANO (Test report n°141050-141051-141052). Suitable for waterproofing and confinement of asbestos cement products.

- Consumption per layer: 450 g/m<sup>2</sup> = 0,22 mm of dry product.

- Drying time at 25°C: 12h.

## Performance

- ✓ Certified quality systems
- ✓ Dry film cold flexibility -10°C
- ✓ Excellent resistance to atmospheric agents



## Laying instructions according to legislative requirements

VELACEAM and ELASTOCEAM membranes can be applied by brush, roller or airless sprayer. Mix well before use.

Surface treatment phases and laying operations should comply with the regulations in force.

### TYPE "A" EXTERNALLY EXPOSED ENCAPSULATING COATING (Cert. n° 141050)

Process consisting in treating the extrados and intrados of externally exposed asbestos cement sheets.

**1) PENETRATING LAYER: VELACEAM** primer applicable by brush, roller or low pressure sprayer with a consumption rate of approximately 250 g/m<sup>2</sup>.

**2) COVERING LAYER: ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 450 g/m<sup>2</sup>.

**3) COVERING LAYER: ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 450 g/m<sup>2</sup> of product of a different colour than that of the previous coat. Before applying the next coat, wait until the previous one has dried (12-24 h). Product average total consumption 1,150 Kg/m<sup>2</sup>.

### TYPE "B" INTERNALLY EXPOSED ENCAPSULATING COATING (Cert. n° 141051)

Process consisting in treating internally located asbestos cement sheets damaged or susceptible to damage.

**1) PENETRATING LAYER: VELACEAM** primer applicable by brush, roller or low pressure sprayer with a consumption rate of approximately 250 g/m<sup>2</sup>.

**2) COVERING LAYER: 10 percent diluted ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 400 g/m<sup>2</sup>.

**3) COVERING LAYER: ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 450 g/m<sup>2</sup> of product of a different colour than that of the previous coat. Before applying the next coat, wait until the previous one has dried (12-24 h). Product average total consumption 1,100 Kg/m<sup>2</sup>.

### TYPE "C" UNEXPOSED CONFINEMENT ENCAPSULATING COATING (Cert. n° 141052)

Process consisting in treating externally exposed or internally located asbestos cement sheets before confinement.

Use of covering products with "overcoating layers".

**1) PENETRATING LAYER: VELACEAM** primer applicable by brush, roller or low pressure sprayer with a consumption rate of approximately 250 g/m<sup>2</sup>.

**2) COVERING LAYER: 10 percent diluted ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 400 g/m<sup>2</sup>.

**3) COVERING LAYER: ELASTOCEAM** elastomeric liquid membrane applicable by brush, roller or pressure sprayer with a consumption rate of approximately 450 g/m<sup>2</sup> of product of a different colour than that of the previous coat. Before applying the next coat, wait until the previous one has dried (12-24 h). Product average total consumption 1,100 Kg/m<sup>2</sup>.

### TYPE "D" AUXILIARY INERTING COATING (Cert. n° 144436)

Process consisting in treating asbestos cement products subjected to removal or disposal.

**1) PENETRATING LAYER: VELACEAM** primer applicable by brush, roller or low pressure sprayer with a consumption rate of approximately 250 g/m<sup>2</sup>.



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## Warning

Do not apply at a temperature below + 5°C or higher than + 35°C, always considering either environmental or substrate temperature. The product should not be applied outdoors **in the presence of persistent fog or in case of imminent risk of rain** which may wash it away, ensuring that climatic conditions remain unchanged even 72 hours after application.

Check the presence of any surface condensation (**dew point**) which may affect product characteristics. Checks should be carried out even before applying the second coat.

It's a single-component ready to use product which should not be diluted. Before application, shake it slowly only if necessary.

The surface should have a 3 percent minimum slope with no area of standing water. In summer, at the highest irradiance levels, it is advisable to apply multiple low thickness layers in order to avoid abnormal product drying.

## Chemico-physical properties

Parameter	Value	Measurement unit	Tolerance	Test method
APPEARANCE	Pasty product	-	-	-
COLOUR	Grey, red, white, green	-	-	-
DILUTION RATE	Ready to use	-	-	-
DRY RESIDUE	60	%	± 5	UNI EN ISO 3251
SPECIFIC WEIGHT	1,35	Kg/l	± 0,05	UNI EN ISO 2811-1
BROOKFIELD VISCOSITY (20 RPM, Spindle n°5, 20 °C)	8000	Cps	± 500	-
pH (25°C)	8,5	-	± 0,5	-
COLD FLEXIBILITY	-10	°C	-	UNI 1109
TENSILE STRENGTH L/T **	120	N/50mm	± 20%	UNI EN 12311-1
ELONGATION AT BREAK**	25	%	± 20%	UNI EN 12311-1
RAIN-FREE DRYING TIME *	6/8	hours	-	-
WAITING TIME BEFORE APPLYING A SUBSEQUENT OVERLAPPING LAYER *	24	hours	-	-
TIME REQUIRED FOR COMPLETE DRYING	72	hours	-	-
DRY FILM THICKNESS (2kg/m² of product)	1,4	Mm	-	-

\* Test conditions: at a temperature of 23±2°C, 50±5% R.H. The data indicated above may change depending on building site conditions, including temperature, moisture, ventilation, substrate absorption.

## Packaging and storage

Products packed in 1, 5, 10 and 18 Kg buckets to be stored in sheltered areas at a temperature not below + 5 °C or not higher than + 35°C. **IT FEARS THE FROST.** It must be used within one year of the purchase date.

The above-mentioned values can be subject to update or change. IVELA S.r.l. reserves the right to modify them at any time without prior notice. For a correct use of our products, see technical specifications. For further information or any special use, please contact our technical department. Any suggestions or technical information provided represent our best knowledge regarding product characteristics and use. Considering different applications and any possible interference of elements beyond our control, the buyer must declare under his own responsibility that the product is suitable for the intended use.