



# INTOSIL



## ACRYLIC-SILOXANE DISPERSION FOR THE OPTIMIZATION OF MORTARS FOR CONSERVATIVE AND MONUMENTAL RECOVERY-RESTORATION

Complies with the directive 2004/42/CE

### DESCRIPTION

Concentrated elastic acrylic-siloxane dispersion, specific for the optimisation of workability, adhesion, flexibility, resistance and water-repellence of highly breathable mortars, specific for recovery operations, conservative and monumental restoration.

### COLOR

White.

### PACKAGING

Plastic tanks of 5 - 10 - 20 lt.

### COMPOSITION

Based on acrylic elastic and siloxane resins in water dispersion, additives tested for their specific use.



### PHYSICAL CHARACTERISTICS

#### Physical state

#### Specific weight UNI EN ISO 2811-1

#### Dry residue

#### Limit value UE of the content of VOC (2010)

#### Content of VOC

#### Classification DIRECTIVE 2004/42/CE

Liquid fluid

1,03 gr/cm<sup>3</sup> ± 5%

46%

≤ 30 gr/lt

≤ 30 gr/lt

H/BA

### YIELD

In relation to the use

### SUITABILITY

With any type of support with the same characteristics as those where mortars are applied without the addition of INTOSIL.

### USE

Elastic acrylic-siloxane dispersion ready-to-use or to dilute clean water, to be mixed with the INTOCALCE and INTOBIO lines in order to obtain an improvement in the characteristics of adhesion to the substrate, resistance, water-repellence, elasticity and as an additive in the production of gypsum products to avoid surface disintegration and to improve mechanical resistance. As fixative and surface aggregating agent for interiors of plasters and frescoes; consolidating and fixing agent for pictorial layers; As binder for natural and synthetic pigments in powder form; As adhesive for the glazing of paper documents. Free of alkylphenols, ethoxylates, plasticizers and coalescents.

### APPLICATIONS

- Preparation of the substrates by removing all the crumbling and inconsistent parts; eliminating foreign bodies, such as dust, mud, bitumen, oil stains, etc..
- It is necessary to preventively wet particularly absorbent or dry walls or walls exposed to torrid climates.





- INTOSIL is ready to use or dilutable from 1:1 to 1:5 with clean water.
- The mixing ratio is determined according to the required performance.

## AS AN ADDITIVE:

- Use undiluted when is required a mortar generally highly deformable and with very high adhesion, to be used on substrates with strong dimensional variation and generally difficult adhesion.
- Use diluted 1:1 with clean water when is required a mortar generally deformable and with good adhesion, to be used on substrates subject to moderate dimensional variation.
- Use diluted 1:5 with clean water when The aim is to improve the adhesion and elasticity characteristics.

## AS A CONSOLIDATING PRIMER:

- Use diluted 1:5 with clean water as fixative and surface aggregating agent for interiors of plasters and frescoes; consolidating and fixing agent for pictorial layers.

## OTHER USES:

- Use diluted from 1:3 to 1:4 with clean water as binder for natural and synthetic pigments in powder form.
- If used as an additive, replace INTOSIL with the mixing water needed to mix the product to be used.
- Prepare the quantity of usable dough within 2 hours.
- In case of high temperatures, wind and low humidity, it is advisable to protect from rapid drying by moistening the substrates.
- Do not apply on frozen substrates, during thawing or in danger of frost within 24 hours.
- INTOSIL must be worked at a temperature between + 5 ° C and + 30 ° C.

## SUMMARY

The improvement of the characteristics of adhesion to the substrate, resistance, water repellency, elasticity of the INTOCALCE and INTOBIO line and of mortars in general, the creation of gypsum products, the consolidation of inconsistent or floury surfaces, the binder for natural and synthetic pigments in powder form, the adhesive for the glazing of paper documents, will be made with concentrated additive based on acrylic-siloxane elastic resin, breathable in water dispersion, such as "INTOSIL" by MALVIN S.r.l.

*Le caratteristiche prestazionali riportate si riferiscono a prove di laboratorio, i valori possono subire scostamenti in funzione delle condizioni climatiche e modalità di messa in opera. L'utilizzatore deve verificare l'idoneità del prodotto all'impiego previsto.*



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