



CONSOLIDANTE ALBI700

Art.25541

CONSOLIDANTS are solutions of ethyl esters of silicic acid in a solvent

They are used as a consolidant or pre-consolidant for stone, mortar, plaster, terracotta, stucco, etc. The product has low viscosity and high penetration capacity; it penetrates into the pores of the material to be consolidated and, by reacting with the moisture in the substrate and the humidity in the air, forms a silica gel.

The silica produced acts as an inorganic binder, consolidating the deteriorated materials.

The silica molecular network formed inside the pores increases the mechanical properties of the treated surface and reduces its porosity without clogging the pores or altering the surface appearance.

CONSOLIDANT RC 70

Density (1) at 25°C: 0.9 g/cm³

Application Method

CONSOLIDANTE ALBI700 can be applied by spraying, brushing, or immersion, depending on the type of surface to be consolidated.

For large areas, the use of spraying equipment is recommended, while smaller areas can be treated using a wash bottle.

Portable objects (such as sculptures) may be treated by immersion or by the poultice/compress method.

Quantity to Be Applied

For consolidation to be successful, the product must penetrate down to the sound core layer of the wall; otherwise, the risk of surface detachment remains.

To achieve the required penetration depth, CONSOLIDANTE ALBI700 should be applied to small areas (if necessary, brick by brick) wet-on-wet. The process should continue until the building material can no longer absorb the product.

If necessary, a second application may be carried out 2–3 weeks after the first one. During the second application, it must again be ensured that the material is completely saturated.

If the second application is carried out before the binder has fully reacted, the product will not be absorbed by the wall and a greyish surface tone may appear.

The required quantity of product varies depending on the type of building material and may range from 0.5–15 L/m².

Examples:

- For a brick deteriorated to a depth of up to 6 cm, 5 L/m² was used for the first application and 3.5 L/m² for the second application carried out three weeks later.

- In another case, 2.7 L/m² of product was used, and penetration was verified up to a depth of 10 cm.

The exact amount of product to be used must always be determined in advance on a small test area.

Professional use only