

## Consolidation of stone materials

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### APPLICATION DATA SHEET

Consolidation of stone materials by:

1. preparation of the substrate;
2. consolidation.

#### 1) PREPARATION OF THE SUBSTRATE

Detached or semi-detached parts have to be removed or consolidated using proper techniques.

If necessary, perform a mechanical cleaning of the surface by micro-sandblasting, adjusting the pressure and the amplitude of the jet, using as aggregate silica sand or simply compressed air.

Remove possible microflora and molds, smog, black crusts, guano, strong water stripes etc., with suitable cleaner.

#### 2) CONSOLIDATION

Once the substrate is perfectly dry and clean, continue with the subsequent consolidation procedures:

- in case of silicate matrix stone materials apply many layers of consolidant **Kimistone KSF**, as indicated in the Technical Data Sheet;
- in case of carbonate matrix stone materials apply many layers of consolidant and protective **Kimistone K55**, as indicated in the Technical Data Sheet;
- in case of friable matrix stone materials (tuff, sandstone, etc.) apply many layers of consolidant and protective **Kimistone K10**, as indicated in the Technical Data Sheet.

Consolidant products should be applied to clean, dry surfaces with a low-pressure spray gun, brush using the pockets, tablets or dive technique, making sure there is no excessive build up of the product.