

PROTECTION OF STONE MATERIALS

Cleaning, consolidation and stone elements protection

APPLICATION DATA SHEET

Protection of stone materials by:

1. preparation of the substrate;
2. protection.

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 powder or simply compressed air.

2A) PROTECTION

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

After the substrate is completely dry, in order to make it waterproof, apply in many layers – if products with additional protective function have not already been used (Kimistone K55 or Kimistone K10), or in case of treatments on walls of new construction or walls that have been restored using the break-fill technique – after waiting for the rendering mortar to fully dry, using a low pressure spray method or a natural fiber brush:

- hydro-oil-repellent eco-friendly protective agent that guarantees a broad spectrum biocide function Kimistone ANTISMOG, as indicated in the Technical Data Sheet;
- water-based, water-repellent protective agent Kimistone IBASIL, as indicated in the Technical Data Sheet;
- protective, hydrophobic coating in an alcohol solution Kimistone IDROREP as indicated in the Technical Data Sheet.

Do not allow the product to build up.

2B) PROTECTION AGAINST PAINT FALLING

On a clean and dry surface, apply with a brush or with a low-pressure dispenser of the ecological, water-based anti-graffiti protector Kimistone DEFENDER, perfectly breathable, highly reversible and chemically inert. The product protects stone materials and artifacts from vandal proof paints, preventing them from penetrating deeply into the surface.

Respect the consumption rate indicated in the Technical Data Sheet. Once the anti-graffiti protector has been applied, it will be possible to remove any future smudges with a simple jet of hot water (80°C) under pressure (60-80 bar).