

# Pieri® Hydroxi W

## Surface water repellent

### Description

When treated with Pieri® Hydroxi W water-repellent, traditional buildings or elements produced in precast plants are protected from all damage caused by water and atmospheric pollution such as: changes of aspect and colour in wet weather, bloom, or spalling due to freeze thaw attack.

Pieri® Hydroxi W is particularly recommended for exposed aggregate panels, treatment of rough castings and exterior surfaces of all kinds: plaster, mortar, stone, brick, tiles, etc.

### How it works

Pieri® Hydroxi W forms a water-repellent agent within the surface coating, filling each pore of the material to a depth of several millimetres.

### Applications

Pieri® Hydroxi W protects masonry against all damage caused by water and humidity.

The support must comply with DTU 59.1: dry (allow 1 day for drying after high-pressure washing, and 2 to 3 days of drying in case of heavy rain), clean, dust and free of efflorescences.

### Advantages

- Does not modify the aspect of the support.
- Bloom: marked reduction in migration of lime materials by water. Bloom is thus limited by attacking the problem at its root.
- Cracks-fissures: reduction in the amount of water penetrating masonry cavities. Freeze/thaw constraints causing the materials to burst at the surface are avoided with the result that cracks and fissures take longer to form.
- Great chemical inertia, resistance to acids, alkalis and industrial fumes.
- Dirt: water no longer penetrates the masonry work but remains on the surface. Dust, dirt, etc is less likely to accumulate on the masonry work. Walls stay clean for longer periods and are easier to wash.
- The gas and water vapour passage is not modified and the concrete breathes normally.
- Once treated they may be coated with oil paints, glyptal, resin, lacquers and emulsion paints.

During the treatment of the panels in the factory, make sure that parts which will be in contact with elastomer joints sealants are properly protected against contamination by Hydroxides.

### Directions For Use

Pieri® Hydroxi W is delivered ready to use and applied directly on the panels or sections to be treated with a brush, gun or spray appliance. The product must be applied on concrete panels aged at least 1 week old, keep away from rainfall.

Apply liberally so as to ensure that the panels are saturated on the surface. The water-repellency properties come into effect after about 48 hours.

Splashes on windows, wooder parts, etc. must be removed before drying takes place.

### Technical specifications

- Ready to use. Shake before use.
- Non-flammable, solvent free.
- pH: 7.
- Sensitive to freezing.
- Density:  $1 \pm 0.02$ .
- Viscosity:  $< 7$  cSt (ISO Cup 2431 n°3 at 20°C).
- VOC content (Cat A/h) - Contains max. 0,9 g/l COV.
- Pieri® Hydroxi W covers 3 - 5 m<sup>2</sup>/ litre, depending on the porosity of the base material.
- For an optimal protection, the product must be applied in 2 coats:
  - 1st coat: 3 m<sup>2</sup>/litre,
  - 2nd coat: 5 m<sup>2</sup>/litre.
- Recommended nozzles: X5 (Ø = 1.1 mm) ou X8 (Ø = 1.4 mm), type Spraying Systems.

### Storage

6 months in original unopened packaging.

### Packaging

22 litre drum.

### Safety

Regulated product.

May be kept in its original packaging.

For further information, please consult our Safety Data Sheet.

### Transport

Not regulated.