

NANOREP 10

WATER-REPELLENT SILOXANIC CONSOLIDATOR

code 0790001

DESCRIPTION

NANOREP 10 is a silane and siloxanic based micro dispersion which is suitable for the consolidation and rendering hydrophobic of mineral supports and stony materials.

The product's special physical structure allows good penetration on different supports, with a good consolidating effect without significantly varying the porosity of the materials.

NANOREP 10 penetrates the support, drastically reduces the surface's water absorption and keeps the breathability and original appearance of the treated support unchanged.

NANOREP 10 prevents both progressive crumbling of the building material caused by the alternation of freezing and thawing, and the formation of anti-aesthetic whitish patches caused by salts which are soluble in water extracted from the walls.

INSTRUCTIONS FOR USE

NANOREP 10 was designed for use on interior and exterior surfaces under any weather conditions and environmental exposure conditions.

It can be applied to absorbent mineral and stony supports, surfaces made of concrete, cellular concrete, reinforced concrete, sandy and calcareous stones, plaster and visible brick.

- It cannot be applied to old paint or organic coatings.
- It cannot be applied to non absorbent supports (polished marble, granite) and gypsum.

TECHNICAL SPECIFICATIONS

- Type of Binder: silane and siloxanic micro dispersion
- Solvent: water
- Specific gravity per UNI EN ISO 2811-1: $1,00 \pm 0,05$ kg/l
- Appearance: slightly yellow transparent liquid.
- Drying times (at 25°C and 65% R.H.): total after 2 hours
Not recoatable

PREPARING THE SURFACE

Surfaces in stony material or bricks:

- Dust and clean the surfaces. If there is a patina of dirt, surface crusts, flakes etc. present, clean by means of water washing, water sand-blasting, micro sand-blasting or chemical cleaning. It is advisable to carry out a preliminary test to decide on the most effective method and type of cleaning.

- If mould is present, treat the surface with COMBAT 222 Detergent 4810222 and COMBAT 333 Restorer 4810333 (see the related technical information sheets).

- On dry supports, apply several coats of NANOREP 10, wet on wet, until rejection.

APPLICATION INSTRUCTIONS

- Air and support surface conditions:

Air temperature: Min. +8 °C / Max. +35 °C

Relative environmental humidity: <75%

Support surface temperature: Min. +5 °C / Max. +35 °C

Moisture level of the support surface: <10%

- Avoid applying when surface condensation is present, or in direct sunlight.

- Tools: brush, spraying.

- Dilution: the product is ready to use for medium absorption supports. On low absorption supports, up to 100% dilution with water is possible.

To determine the need for dilution or the amount of dilution, it is necessary to carry out a practical test in situ on the specific support. You are recommended to treat a small area and check whether chromatic variations or changes occur.

- For spray applications, use nozzles of diameter 1.2-1.4mm and a pressure of 2-2.5 kg/sq. m.

- No. of coats: the product should be applied in several coats, wet on wet, until saturation, avoiding the formation of runs.

- The product will have a water-repellent action one day after its application.

- Protect the treated surfaces from rain for at least 24 hours after application.

During application, protect surfaces made of glass or other materials that are not to be treated.

- Clean tools with water immediately after use.

- Indicative spreading rate: change form the substrate absorption. We suggest to have a preliminary test.

Here some indicative spreading rate:

Beton 0.25-0.4 l/sq m

Natural stone 0.3-1.2 l/sq m

Bricks 0.6-1.0 l/sq m

Plasters 0.5-0.8 l/sq m

TINTING

STORAGE

Maximum storage temperature: +30° C

Minimum storage temperature: +5° C

Stability in the original unopened containers and with suitable temperature conditions: 1 year.

SAFETY RULES

EU limit value (Dir. 2004/42/EC)

Cat. H: Binding primers (water base): 30 g/l (2010)

NANOREP 10 Contains max: 30 g/l VOC

The product does not require labelling in accordance with directives 67/548/EEC and 1999/45/EC and its subsequent changes and updates. Use the product in accordance with the hygiene and safety regulations in force; avoid litter with the containers, allow the remains to dry well and treat as special

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waste. Keep out of the reach of children. In the event of contact with the eyes, wash them immediately with plenty of water. In the event of ingestion consult a doctor immediately and show the doctor the container or the label. Do not dispose of the remains in sewers, watercourses or on the ground.

For further information consult the safety data sheet.

SPECIFICATION ITEM

Water-repellent siloxanic protective consolidant.

Application on pre-prepared surfaces of NANOREP 10 code 0790001 water-repellent, protective consolidant based on a silane and siloxane micro emulsion dispersed in water, suitable for the rendering hydrophobic, consolidation and protection of interior and exterior absorbent wall supports, in the amount determined by the support's absorption.

Supply and laying of the material € per sq. m.

COLORIFICIO SAN MARCO guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets. For further technical information call the technical service +39 041 4569322.