

NANOLINE 80W

Transparent water-repellent siloxane-based nano-impregnation for perfect surface waterproofing.

Description

Water repellent impregnation for absorbent cementitious substrates. It penetrates deep into the open pores of the substrate, providing durable water repellence, while still allowing water vapour diffusion in both directions. Nanoline 80 W can also be used as hydrophobic primer under water-based protective coatings. Suitable for reduction of capillary water absorption, reduction of efflorescence, reduction of dirt pick-up and improvement of thermal insulation

Features - advantages

- Causes no discoloration, does not form a skin on the application surface and does not alter its appearance
- Ensures substantial transpiration to both directions of substrates
- Creates a protective barrier against factors that favour carbonization
- Protects application surfaces from the influence of fouling agents such as acids, salts, sulphur dioxide etc.
- Prevents the development of moss, lichens and other microorganisms that flourish under such conditions

It is worth mentioning that a wall with only 5% moisture reduces its heat insulation capability up to 50%. The energy produced by the heating system is spent to evaporate the moisture trapped in the capillary cracks. Where there is no waterproofing, this water is constantly renewed, keeping masonry conductive. Applying NANOLINE 80W will immediately improve the indoor climate and reduce heating costs for a long period.

Application examples

- Masonry
- Fiber-reinforced cement
- Asbestos-cement boards
- Cotto
- Clinker
- Bricks
- Roof tiles
- Ceramic tiles
- Tile joints
- Bare concrete
- Natural, manufactured stone and firbricks

- Generally all absorbent construction materials

Specifications

Form: White liquid

Chemical basis: Silane-Siloxane

Ph: between 6-8

Density: 1 Kg/lit

Water vapor resistance: 0 (not measurable)

Rain absorption factor: < 0,5 Kg /m².h^{1/2}

Reference consumption:
0,2-0,4 l / m² depending on surface porosity

Substrate preparation

Provide stable surfaces. Remove loose or detached fragments, dirt, oil, dust etc. Repair wide cracks and mask surfaces that may not come in contact with NANOLINE 80W. Mortars and concrete to be treated with NANOLINE 80W must be 28 days of age or longer.

Instructions for use

Apply the material using brush, roller, flat brush or by spraying until saturated. It is recommended that NANOLINE 80W is applied in 2 coats. The second coat can be applied on top of the first one after it has soaked sufficiently before complete drying. Make sure that the material is uniformly spread so that the surface absorbs as much as possible and to hide all voids. Application is not recommended under extreme solar radiance (temperature greater than 35°C) or rainfall, or in periods when temperature is expected to drop below zero. Clean application tools with water immediately after use.

Packaging

Plastic pots, 1, 5, 20 kg

Storage

Preferably in shady and roofed locations, low in moisture. Protected against ice, high temperature and exposure to sunlight for at least 12 months.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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