

MONOFLEX NANO-HYBRID

Long lasting, new generation waterproofing roof coating.

Description

Elastomeric roof coating of nano-modified new generation resins. After application, it forms a very elastic, protective membrane without joints that is fully waterproof. Offering great durability in ponding water (compared to common acrylic coatings), excellent resistance under sun exposure and guaranteed waterproofing under difficult weather conditions and temperatures for many years. Without polyurethanes, solvents and other dangerous or toxic substances.

Examples of applications

MONOFLEX NANO-HYBRID is used for waterproofing on surfaces of cement, concrete, wood, metal, tiles, bitumen membranes on horizontal and vertical surfaces such as:

- Terraces
- Drainage channels
- Buildings made of bricks, renders, concrete blocks

Characteristics - advantages

- Covers wide range cracks, providing absolute protection from moisture (> 2mm)
- Cures with sunlight and has no stickiness even at very high temperatures.
- Reflects sunlight energy significantly reducing the temperature of the outer surface (> 85% white colour) which results in a reduction in energy consumption during the summer months (reduce cooling costs up to 20%).
- Prevents deposits of dust and dirt pickup keeping its high whiteness.
- Excellent adhesion with substrates such as: ceramic tiles, mortars, zinc, aluminium, brick, wood, concrete, bitumen, any type of waterproofing membranes etc.
- Long lasting life (10 years).
- Extremely economical and easy to use.
- Capable patency

Specifications

Form: Thick paste

Colour: White, Terracotta

Density: 1,3 kg/L

Application temperature: + 5 °C to + 35 °C

Elongation at break: >300%

Adhesion strength : > 2 N / mm²
(EN 1504-2 requirement > 0,8 N/mm²)

Drying time to touch: 2-3 hours at 20 °C

Full drying time: 10-12 hours at 20 °C

Capillary water absorption: <0.1 kg / m² · h^{0.5}

Permeability to CO₂: S_d> 50 m

Water vapour permeability: Class I

Service temperature: -20 °C to +80 °C

Roof Slope: category S1-S4

Substrate preparation

Ensure stable surfaces. Remove loose, detached parts, dirt, grease, dust, etc. Fill and repair any major gaps and cracks with suitable repairing products of BAUER (e.g. BETOFIX B70). The material can be applied regardless the moisture percentage of the substrate.

Instructions for use

MONOFLEX NANO-HYBRID is ready to use. It requires only stirring in the container for a short period until the mixture is homogeneous. The material is applied by brush or roller in two hands at least crosswise. Dilute with 10% water for a layer as a primer. The second coat is applied onto the first crosswise when completely dry (when the previous layer is walkable). If needed, apply a third layer, in the same manner. Make sure that the material is filling all the gaps. In cases of large cracks, edges and where improved material properties required, place between the two layers reinforcing mesh (glass fibre or polyester).

In cases requiring local crack filling, inject MONOFLEX NANO-HYBRID (diluted 10% with water) directly and then apply the reinforcing mesh. Should not be applied under intense solar radiation (temperature greater than 35°C) or rainfall and days where temperature is expected to drop below freezing point. Immediately after use, clean application tools with water

Consumption

1-2 kg /m² Consumption of MONOFLEX NANO-HYBRID, depends on the porosity and the flatness of the surface.

Packaging

Containers 1, 5, 13 kg

Storage

In shaded, preferably sheltered areas protected from frost, high temperature and sun exposure 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

BAUER BUILDING TECHNOLOGIES

Megara Industrial Estate, Attica

Tel: +30 210 5744222

Fax: +30210 5740777

Email: info@netbauer.com

[http// www.netbauer.com](http://www.netbauer.com)

Frankfurt, Reg. No 312310 QM and No 312310 UM
Qualitätsmanagementsystem
Zertifiziert nach DIN EN ISO 9001

