

Technical Datasheet

BAU 155nano

Long lasting, new generation waterproofing roof coating

Description

BAU 155nano is one component hybrid, water-based roof waterproofing membrane, ready to use which creates after curing, a protective film impervious to moisture with excellent elasticity and resistance to extreme weather conditions and stagnant water.

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%) which results in a reduction in energy consumption during the summer months.
- Prevents deposits of dust and dirt pickup keeping its high whiteness.
- Excellent adhesion with substrates such as: ceramic tiles, mortars, zinc, aluminum, brick, wood, concrete, bitumen etc.
- Extremely economical and easy to use.
- Capable patency

Examples of application

BAU 155N is used for waterproofing on surfaces of cement, concrete, wood, metal, tiles, bitumen membranes on horizontal and vertical surfaces such as:

- Terraces
- Balconies
- Flooring
- Drainage channels
- Buildings made of bricks or concrete blocks
- Roofing substrates etc.

Surface 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 BAUSKIN. The material can be applied regardless the moisture percentage of the substrate.

Instructions of use

BAU 155 nano 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 fiber or polyester). In cases requiring local filling cracks, inject in direct **BAU 155 nano** (thinned 5% with water) and then reinforce with mesh. The application is not suitable in days with intense sun (temperature greater than 35°C) or rain and days where temperatures below zero are expected to fall. Immediately after use, clean the application tools with water. The product should not be applied in negative (0C) temperatures or when rain or frost is imminent in the next 48 hours

Consumption

1,5- 2 kg/m² , consumption depends of the porosity and the flatness state of the surface

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white paste

Density:

1,3 kg/L

Elongation at break (ASTM D 412) :

> 300%

Tensile strength (EN 1542):> 1, N/mm²**Drying time to touch:**2 hours at 20⁰C**Full drying time,**10-12 hours at 20⁰C**Application temperature and substrate temperature:**+5⁰C to +35⁰C**Capillary water absorption:**< 0,01 kg/m² • h 0.5**Packaging**

Pails of 15kg

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 BAUSKIN 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.

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