

## Technical Datasheet

# BAU 155nano

## 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.

### 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
- Long lasting life (10 years).

### Examples of application

BAU 155 nano 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 (BAU R2). 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

**Attention!** It is recommended in some cases, when the substrate is concrete, to apply before the first hand (primer) of **BAU 155 nano** a layer of resin **BAU L40** diluted with water (ratio 1:3). This is suggested for strengthening and stabilizing the concrete substrate to avoid any detachments of cement microparticles or aggregates due to the very strong stresses that develop during maturation - drying of the **BAU 155 nano**. This recommendation concerns the stabilization of the substrate and has nothing to do with the adhesive capacity of the **BAU 155 nano** which is very large

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### Consumption

1,5- 2 kg/m<sup>2</sup> , consumption depends of the porosity and the flatness state of the surface

### Technical data

#### Form:

white thick paste

#### Density:

1,3 kg/L

#### Elongation at break (ASTM D 412) :

> 300%

#### Tensile strength (EN 1542):

> 1,5 N/mm<sup>2</sup>

#### Drying time to touch:

3 hours at 20°C

#### Full drying time,

10-12 hours at 20°C

#### Application temperature and substrate temperature:

+5°C to +35°C

#### Capillary water absorption:

< 0,01 kg/m<sup>2</sup> • h 0.5

#### Water vapor permeability

Class I

#### CO2 permeability

Sd > 50 m

#### Service temperature:

-10°C to +90°C

### 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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