

TECHNICAL DATA SHEET OF THE PRODUCT – DIGNA PLUS TOP

Thermal insulation coating for roof surfaces

Characteristics of the coating and scope of application

DIGNA PLUS TOP is a coating intended for decorative and protective applications on the surfaces of roofs made of galvanized sheet, aluminium, tar paper, ceramic roof tiles and membrane roof sheathing.

DIGNA PLUS TOP is a water-soluble, non-toxic, environmentally friendly coating. It is easy to use, has good covering properties and good adhesion. It spreads well on a properly prepared substrate - creates coatings that improve the energy balance of the building. The created coatings increase the roofing resistance to environmental loads, including mechanical loads (cracks and scratches). The coatings show increased resistance to water absorption during precipitation, and also have increased microbiological and dirt resistance. The coating is resistant to UV radiation.

DIGNA PLUS TOP is a homogeneous composition of inorganic fillers and pigments and properly selected filling material that improves the thermal properties of the coating with a high-quality dispersion of acrylic copolymer with self-crosslinking properties.

Characteristics of the coating:

Dry matter content maximum 50%

Viscosity according to Ford 4 cup (drain time 50 cm³): 50-100 s

Density in 20°C: <0,50 g/cm³

Thermal conductivity: $\lambda = 0,0008 \text{ W/mK}$

Temperature of application of coating: from 10 to +25°C (above + 25°C an extension of the opening

time is required *)

Number of recommended layers: 2

Drying time for one layer: up to 24 hours

Efficiency with double painting: for metal sheet to 2 m²/litre, for tar paper to 1 m²/litre

The ability to reflect infrared radiation (thermo-reflection) for a white coating: >93%

* consultation with the Manufacturer is required to change the drying parameter of the coating

Preparation of substrate:

The substrate should be thoroughly cleaned and dried. Remove remains of old coatings with a water jet with a pressure of 60 - 120 bar. Places of fungus, covered with mould, algae, mechanically clean and disinfect with a biocidal agent, taking into account the removal of the causes of their formation. When painting metal substrates, pay attention to the existing micro-corrosion. Thoroughly clean such a surface and protect it with an anti-corrosion agent, e.g.. **DP ANTICOR GRUNT** or **DP GLAZE**

Application of coating:

Before applying the coating, the contents of the **DIGNA PLUS TOP** container should be thoroughly mixed using a low-speed mixer (mixing speed not higher than 150 rpm). It is recommended to apply the coating twice so that its thickness is at least 0.50 mm. Apply the second layer of the coating 24 hours after applying the first layer. Apply the coating with a roller and / or brush. It is recommended to apply the coating using a hydrodynamic unit (maximum pressure up to 60 bar), and it is recommended to remove any filter mesh both in the device and in the paint sprayer. After completing the work, clean the tools used with water or in accordance with the manufacturer's recommendations. It is recommended to apply layers in other colours, which facilitates the correct application.

Additional information:

The product is sensitive to low temperatures! Store at a temperature from + 5 ° C to + 25 ° C in places not exposed to sunlight. **DIGNA PLUS TOP** can be coloured with available dyes based on UV-resistant oxide pigments. The shelf life is 24 months from the date of production, taking into account the above-mentioned storage conditions and on condition that the packaging is tight.

VOC content (according to Directive 2004/42 FE130g / l from 2010) maximum 9 g / l.

Information sheet drawn up for MAXISOTHERM sp. z o.o.