

TECHNICAL DATA SHEET OF THE PRODUCT – DIGNA PLUS OUTDOOR

Thermal insulation coating for painting building facades

Characteristics of the coating and scope of application

DIGNA PLUS OUTDOOR is a coating intended for decorative and protective applications on the external walls of buildings. The excellent thermal insulation parameters of the coating improve the energy balance of both residential and industrial buildings (e.g. production halls). DIGNA PLUS OUTDOOR is a water-soluble, non-toxic environmentally friendly coating. It is easy to use, has good covering properties and good adhesion to the microporous mineral substrate. It is characterized by variable diffusion and high resistance to aggressive external factors, including water.

The coating is resistant to UV radiation and shows good flexibility, which makes it resistant to microcracks and scratches.

DIGNA PLUS OUTDOOR is a medium-viscous, water-dilutable dispersion coating, which is a homogeneous composition of properly selected inorganic fillers, pigment, fillers with high-quality acrylic copolymer dispersion and small additives modifying its rheological and functional properties as well as its microbiological resistance.

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: <0,60 g/cm³

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

Drying time for one layer: 3-4 hours (in favorable weather conditions)

Number of recommended layers: 2

Drying time for one layer: up to 24 hours

Efficiency with double painting: to 2,5 m²/litre

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

Temperature of application of coating: from 10 to +25°C (above + 25°C an extension of the opening time is required *)

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

Preparation of substrate:

The surfaces to be coated should be clean, dry, free from cracks and free from algae. They should be thoroughly washed with a pressure apparatus. After drying (before applying the coating), fill in the plaster defects and thoroughly prime with a primer, e.g. **DP PENETRATING GRUNT, DP VISCO GRUNT**.

Application of coating:

Work should be carried out at the substrate and ambient temperature from + 10 ° C to + 25 ° C. Before applying the coating, the contents of the **DIGNA PLUS OUTDOOR** 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 0.35-0.40 mm. Apply the second layer of the coating about 6 hours after applying the first layer. Apply the coating with a roller and / or brush that leave the smallest structure on the painted surface. The coating can also be applied using a hydrodynamic unit (maximum pressure up to 60 bar), it is recommended to remove any filter mesh both in the device and in the paint gun. After completing the work, clean the tools used with water or in accordance with the manufacturer's recommendations.

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 OUTDOOR** can be colored 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.