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ECO-THERM- anti-condensation coating

Product description and properties

Product description:

ECO-THERM- anti-condensation coating is a thin and absorbent covering based on Perlite (volcanic rock) and an acrylic emulsion: this results in an excellent water absorption.

ECO-THERM- anti-condensation coating is a non-combustible building material.

Condensation problems:

Especially with trapezoidal sheet metal roofs without insulation, there are often problems with condensation. Condensate occurs when a substance changes from a gaseous to a liquid state.

The air always contains a certain amount of moisture. Meets saturated air on a surface colder, it settles out in the form of water droplets.

Features and benefits of ECO-THERM- anti-condensation coating:

1. Anti-condensation properties:

Moisture is absorbed and dripping is prevented. When the weather conditions change the absorbed moisture is released again.

2. Soundproofing Benefits:

The vibrations caused by the weather, such as rain, wind and hail are muted.

3. Thermal Benefits:

The temperature differences, which is the cause of condensation, are reduced.

4. Anti-corrosion benefits:

By preventing the condensation water from coming into direct contact with the surface, the lifespan extended.

5. Light Reflective Benefits

The coating reflects the light. The surface becomes decorative at the same time



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Qualities and colors:

Qualities: Industrial quality - granulated surface matt

Spray quality - granulated surface matt

Airless quality - smooth surface matt

Brush quality - smooth surface mat

Colours: light grey (standard), white, black, yellow and green (special colours)

Areas of application:

Most of the time we encounter condensation when warm air meets cold materials. Especially

The process can often be observed on uninsulated roofs, e.g. on the following objects:

Factory and storage halls, spinning mills, paper mills, printers, stables, grain storage halls,

Canopies, carports, garages and underground garages.

Condensation occurs not only on uninsulated surfaces and objects, but also where

Moisture-generating sources such as machines with water vapor emissions, many people,

water basin, etc., is available. This condensation cannot be prevented by insulation

be eliminated. We are always available to answer questions about our products or their use

gladly available

Water absorption capabilities and layer thicknesses:

ECO-THERM- anti-condensation coating is applied in 3 different layer thicknesses as standard. These layer thicknesses have the following absorption capacities.

water absorbency and layer thickness

layer thickness	water absorbency	thickness
600 grams per m ²	390 grams per m ²	0,60 mm
850 grams per m ²	470 grams per m ²	0,85 mm
1200 grams per m ²	610 grams per m ²	1,20 mm

Source: Fraunhofer Institute for Coating and Surface Technology test report from 22.11.00