COOL BARRIER WALLS AND MASONRY PRIMER SYSTEMS

Cool Barrier Grip

Characteristics

This is a solvent free emulsion primer based on a mixture of silanes and siloxanes, intended for the "water-repellent pre-treatment" of surfaces, which are going to be panted using cool barrier silicone emulsions as top coats. The product is distinguished by its excellent properties of penetration. Cool Barrier Grip stabilizes chalky and sandy surfaces and reduces their water absorbency.

Water-repellent treatment

The term "water-repellent treatment" refers to the treatment of mineral substrates, especially facades of fair faced masonry and concrete, with hydrophobic impregnating agents.
The term "impregnating agent" is frequently used on its own in this context, since it is considered self-evident that these agents are hydrophobic, that is, water-repellent. By definition, however, "to impregnate" just means to saturate an absorbent material with a low-viscosity, capillary active liquid. The purpose of water-repellent treatment is to protect exposed facades and roofs from moisture and attendant damage by applying a colorless, non-film-forming agent which prevents capillary uptake of water and the aggressive substances dissolved there in. Because the impregnating agent does not block the capillaries, the substrate retains its vapor permeability.

Cool Barrier Grip reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".
VOC's Content: (Directive 2004/42/EK) Category A/g ,Y type): 40 gr/lt (2010). Ready to use product contains max 20 gr/lt.

Cool Barrier Grip Ensures

- Drastic reduction in water uptake
- Retention of high water-vapor permeability
- Extensive penetration
- Adequate resistance to alkalis
- Resistance to UV light
- Environmental compatibility

Way of Action

Unlike film-forming coatings, such as those based on acrylic, polyurethane or epoxy resins, organo-silicon water repellents do not seal the pores at the surface of mineral masonry, but simply form a very thin water repellent layer on the pore walls.

Suitable Surfaces

Use externally and internally on chalky, sandy and strongly absorbent surfaces.

Way of Application

Apply with a brush, roller or spray.

Surface Preparation

The surface should be dry, free of contaminants and release agents. Remove loose layers.

Coating Structure

Use Cool Barrier Grip undiluted. Prime strongly absorbent surfaces twice while still wet.

Coverage

One litre will cover approx. 6,0 - 8,0 m^2. in new surfaces applications. This is equivalent to approx. 150-125 ml/m^2 per coat. Determine exact quantities by means of test coats.

Application Temperature

At least +5°C air and surface temperature during application and drying.

Drying

The surface is dry and can be recoated after approx. 8-10 hours at +20°C and 65% rel. humidity.

Equipment Care

Rinse thoroughly with water immediately after use.

Compatibility

Do not mix with other materials.

Form: liquid
Color: Translucent
Density: 1, 00 kg/lit
Safety and precautions: Before any use please consult the MSDS file of the product

The management system has been certified according to EN ISO 9001

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