

PRODUCT N°.: 4.181

TECMA PAINT BREAK TERMIC

THERMO ISOLATING COATING

DESCRIPTION:

TECMA PAINT BREAK TERMIC is an aqueous dispersed coating with hollow glass micro-spheres, forming a high thickness membrane with isolating characteristics which prevent quick temperature transmission between inside and outside of the protected surfaces. The membrane modifies the thermal conductivity of the coated surface thus increasing thermal difference between inside and outside and protecting inner surfaces from quick cooling or heating depending on the outside temperature. This way, it's possible to prevent condensation on inner surfaces and achieve more comfortable environments. Thanks to the hollow micro-spheres, the coating helps improving the acoustic isolation properties of the materials.

CHARACTERISTICS:

Nature	Polymeric aqueous dispersion
Adherence	Perfect on a wide range of supports
Thinner	Water
Recommended yield	0,5-1 kg/m ² , approx. several coats
Application	Brush or roller
Drying time	
at 20 °C y 55% R.H.	1 hour touch - 6 hours repainted
Colours	Greyish white

PROPERTIES:

Depending on the yield and the thermal conductivity of the materials, it's possible to achieve temperature differences between inner and outer surfaces up to 3 °C. The membrane allows transpiration on the substrates where it's applied.

Thanks to its elasticity characteristics, it may absorb little cracks on the substrate without losing continuity or watertightness. It may be repainted with acrylic and plastic paints.

FIELD OF APPLICATION:

Protection of slab edges, pillars, cold corners and all those surfaces which have the possibility of suffering thermal shocks.

SURFACE CONDITIONING:

Surfaces should be dry and free from grease, oil, loose particles, dust or any other pollutant. Grout should be removed by mechanical blasting. The surface must have a certain roughness and porosity in order to allow a good adherence for the coating. When applying on other coats, remove cracked or loose paint.

METHOD OF USE:

Stir the contents in the container before applying. Apply a first coat diluted with 10-15% water if applying on smooth mineral substrates with little porosity or roughness. After 4 – 6 hours, depending on the weather conditions, it will be possible to apply another non-diluted coat. In order to apply on metal surfaces, it's recommended to previously apply TECMA PAINT OX as a primer coat.

Depending on the requested thermal shock conditions, the yield will be 0,5 – 1 kg/m², applied in several coats. Due to its high thickness characteristics, this yield may be achieved with two or three coats.

SPECIAL RECOMMENDATIONS:

- Never apply when temperatures are below 10 °C or relative humidity above 85%.
- Do not apply outdoors when there's a possibility of rain.

PACKAGING AND STORAGE:

TECMA PAINT BREAK TERMIC is packaged in 10 and 20 kg containers. The product should be stored in a cool place, protected from frost and not exposed to high temperatures. In its original and tightly closed containers, at temperatures between 10 and 30 °C, it may be stored for a whole year.

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