

THERMIKOAT COOL WALL

Thermal reflective coating for cold and poorly insulated external surfaces

White thermal reflective coating for outdoor use based on latex and special mineral powders. Product designed to eliminate thermal shocks and bridges from surfaces. In fact, between a surface treated with *Thermikoat Cool Wall* and one covered with a traditional paint, there is an improvement in thermal insulation, with a consequent increase in living thermal comfort, thanks to the high reflective capacity of the product. *Thermikoat Cool Wall* improves thermal comfort in hot weathered periods, keeping surfaces cooler, and does not affect insulation in cold periods.

BENEFITS

- Thermal product.
- Quick and easy to apply.
- Economical solution.
- Resistant even in humid and brackish environments, such as coastal areas.
- Elastic and resistant product.
- High SRI (109).
- Solvent-free product.
- CE marked product (EN 1504-2).

YIELD

0,5 L/m².

COLOUR

White.

PACKAGING

14 L plastic buckets.
Pallet: N. 48 buckets of 14 L each (tot 672 L).

FIELD OF APPLICATION

The product is suitable for improving the insulation of poorly insulated walls outside the building where the solution is applied. *Thermikoat Cool Wall* is ideal for limiting thermal bridges and ensuring excellent thermal comfort in both summer and winter.

STORAGE

The product must be stored in its original tightly closed containers, in a well-ventilated place, protected from sunlight, water and frost, at temperatures between +5°C and +35°C. Storage time: 12 months.

SUBSTRATE PREPARATION

The substrate must be fully cured and of sufficient strength. The surface must be thoroughly clean, well consolidated, free of crumbling and loose parts and perfectly level. Before applying the product, it is recommended to cover thresholds, window frames and any elements that are not to be coated. Any cracks or deteriorated parts of the substrate must be repaired before the product is applied. It is recommended to apply the paint within 30 days from the end of levelling and in any case before the winter season.

MIXING

Dilute the product with 10%-15% maximum of water.



THERMIKOAT COOL WALL

Thermal reflective coating for cold and poorly insulated external surfaces

APPLICATION

1. Wait for the primer or fixative used to dry completely.
2. Apply a first coat of *Thermikoat Cool Wall* with a short-hair roller or airless and wait until completely dry (about 4 hours at 20°C and 40% relative humidity). In the event of rain on a product that is not perfectly dry, carefully check the suitability for subsequent coating.
3. Apply a second coat of *Thermikoat Cool Wall* until the substrate is completely covered. For a better result and a more homogeneous coating, it is advisable to cross the layers.

DRYING TIME

At a temperature of 23°C and 50% relative humidity, the product dries in approximately 6 hours.

- Drying times are influenced by the relative humidity of the environment and temperature and can vary significantly.
- If the product is applied in thick layers, the drying time is considerably longer.

SUGGESTIONS

- Do not apply at ambient and substrate temperatures below +5°C and above +30°C.

- During the summer season apply the product during the cooler hours of the day, out of the sun.
- Do not apply with imminent danger of rain or frost, in conditions of heavy fog or with relative humidity above 70%.
- Apply the product on completely dry surfaces.
- Keep unused product in the original packaging.
- During the summer season or in extremely hot weather conditions or with high humidity, it is recommended to apply the product in two or more coats (recommended: 3 coats) until the yield specified in this technical data sheet is reached, in order to avoid the possible creation of micro-cracks on the surface of the dry product and to obtain a homogeneous final surface free of aesthetic defects.

CLEANING

Wash tools with water as soon after use.

SAFETY

While handling, always use personal protective equipment and respect the instructions described in product safety data sheet.

COATINGS – liquids

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore, the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case, he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com

THERMIKOAT COOL WALL

Thermal reflective coating for cold and poorly insulated external surfaces

* These data, even if carried out according to regulated tests, are indicative and they may change when specific building site condition vary.

Technical data *		
Feature		Units
Yield	0,5 L/m ²	L/m ²
Aspetto	Cream	-
Aspect	White	-
Colour	Add up to a max of 10% - 15% water	-
Application temperature	+ 5 / + 35	°C
Drying time (T=23°C/ 73.4°F; R. H. 50%)	6	ore
Storage	12	mesi
Packaging	14 L plastic bucket	L

Final performances		Unit	Regulation	Result
Temperature difference on concrete	Up to +5	°C	-	-
Solar Reflex Index (SRI)	109	-	ASTM E1980	-
Vapour permeability (μ)	8	-	-	unchanged
Resistance to 50 freeze-thaw cycles(-15°C/+15°C)	unchanged	-	UNI EN 202	



COATINGS – liquids