



ThermaCote® TECHNICAL DATA

Full technical datasheet from www.thermacote.eu

Air permeance ASTM E-2178 standard	0,0001 L (s·m²)at 75 Pa 0,00002 cfm/ft² at 1,56 lb/ft²
Water vapour permeance ASTM E-96 standard	207 ng (Pa·s·m²) - 3,617 perms (outside > interior) 387 ng (Pa·s·m²) - 6,779 perms (interior> outside)
Emissivity ASTM C-1371 standard	0,88 initiale (0,86 at 3 years)
Reflectivity ASTM C-1549 standard	0,83 initiale (0,75 at 3 years)
VOC (Volatile Organic Compounds)	1,186 g/L, maximum 5,3 g/L
Thermal conductivity λ (lambda) EN 12667 standard: 2002	0,0345 W/mK
Thermal resistance R ISO 9869 standard, up to	1,87 m².K/W
Energy savings	up to 40%

ThermaCote® APPLICATION

ALL types of substrates	walls, roofs and industrial surfaces
Mode of application	180-bar sprayer (certified applicator)
Colour	colour chart of 54 shades

ThermaCote® GUARANTEES

Guarantee - roofs	10 years	The ThermaCote® guarantee requires that the ThermaCote® thermal coating be applied by a certified professional applicator.
Guarantee - exterior walls	10 years	
Guarantee - interior walls	lifelong	

The technical information contained in this document is accurate and precise, but may be subject to change without notice.



A network of applicators throughout Europe
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ADFIELDS - 10/19 - Tours RCS 331 998 484 - 02 47 66 90 67 - Crédits photos © ThermaCote

ThermaCote®

Thermal insulating coating

FLOORS, WALLS & ROOFS

Anti-humidity / All types of substrates / **Primaire et finition**



www.thermacote.eu

ThermaCote

ThermaCote®

EXPERIENCE AND KNOWLEDGE
STRETCHING BACK MORE THAN
30 YEARS

Founded in the United States in 1985, ThermaCote Inc. is based on a **ceramic technology first developed by NASA** to protect the Space Shuttle from extreme temperature fluctuations.

AN INDUSTRIAL SOLUTION FOR THE GENERAL PUBLIC

ThermaCote Inc. is **revolutionising insulation with its thermal coating**: a genuinely sustainable and energy-efficient solution offering excellent thermal protection for façades, roofs, walls & ceilings.



ECONOMICAL

ThermaCote® substantially reduces the transfer of heat and cold.

This insulating thermal coating offers many advantages besides high performance:

- **INSULATING barrier**
- **ENERGY SAVINGS OF UP TO 40%**
- **Air- & Water-TIGHT, while remaining breathable**
- **MOISTURE control**
- **ACOUSTIC correction**
- **Extends building DURABILITY**
- **SPACE SAVINGS**
- **ENVIRONMENTALLY FRIENDLY**
- **Covers ALL TYPE OF SUBSTRATES**



THE BENEFITS OF ThermaCote®

Thanks to its unique formulation containing a concentration of ~80% ceramic flakes, **ThermaCote®** naturally expels substrate moisture and household vapours. **ThermaCote®** therefore optimises indoor comfort and reduces microbial growth. **ThermaCote®** forms a breathable and anticorrosive hermetic barrier, and eliminates condensation and its effects (moss or mould) inside structures. Not only is the building insulated and cleansed, its life is extended.

ThermaCote® is guaranteed for 10 years on walls & roofs and is ideal for all construction types.

INSULATING

ThermaCote®, A SKIN FOR YOUR HOME

By covering the walls & roofs, the **ThermaCote®** thermal barrier regulates the structure's temperature and expels moisture to make your home a cleaner, healthier place. **ThermaCote®** preserves the fabric of the building and guards against the formation of microcracks.

ThermaCote® creates a protective air- and water-tight envelope that enhances the building's insulation and reduces thermal bridges.

It ensures the wellbeing for the occupants in any season.

EFFICIENT

OPTIMUM IMPLEMENTATION

ThermaCote® requires no major interior or exterior works. Our certified professionals apply **ThermaCote®** using airless sprayers. This method efficiently envelopes the building without adding bulk or requiring detailing changes around windows and doors. **ThermaCote®** can be applied on all types of surfaces: walls and roofs, in construction and industry.

Being very lightweight (600g/L), **ThermaCote®** has no effect on the load-bearing capacity of the substrate.

ATTRACTIVE

3 ADVANTAGES IN 1 EFFECTIVE PRODUCT

ThermaCote® offers great energy savings while enhancing the aesthetic appearance of your home. Available in 54 colours, **ThermaCote®** can be used to renovate façades and roofs without altering the structure. It's suitable for new and refurbished surfaces with no need for architectural changes or additional works.



ThermaCote®

HOW CAN YOU INSULATE YOUR HOME WITHOUT LOSING VALUABLE SPACE?

Because of its high reflectance, **ThermaCote®** prevents heat from escaping in winter and keeps it out in summer.

