

THERMO TOP

PRODUCT DESCRIPTION

THERMO TOP is a white, single-component paint designed for the thermal insulation of pitched roofs.

THERMO TOP acts as both a primer and a topcoat (2-in-1) and is applied in two coats on most roofing materials.

Its special composition and white color significantly reduce the internal temperature of buildings by reflecting solar radiation.

APPLICATION FIELD

PVC, bituminous materials, pre-painted steel, black or red shingle, fiber cement, EPDM, aluminum, and bare steel (in the latter two cases, a suitable primer must be applied beforehand).

THERMO TOP must be applied on roofs with a minimum slope of 5%. It should not be used in areas where water stagnates.

SURFACE PREPARATION

Ambient and substrate temperature: min. +10°C, Max. +30°C

Relative humidity: Max. 90%

APPLICATION OF THE PRODUCT

THERMO TOP is ready to use and can be applied by brush, roller, spray gun, or airless spray.

NEW SUBSTRATES: Surface preparation must follow the type of material present. Substrates must have a minimum slope of 5% to avoid stagnant water which can affect the paint's resistance.

- Degrease and clean thoroughly
- Allow to dry completely
- Bare steel surfaces must be protected with an anti-corrosion primer such as Hydrofer
- Aluminum surfaces must be primed with an adhesion primer such as Hydrogrip

EXISTING SURFACES: After surface preparation, their condition must be comparable to that of new surfaces. Remove all non-adherent or flaking parts. If pressure washing is used, ensure thorough drying.

DRYING TIME AT 60% RH AND 20°C

Touch dry : 1 hour

Recoatable: 24 hours (for a 300 µm wet film thickness per coat)

Blocking resistance: 24 hours

Optimal properties (blocking resistance): 7 days

CARACTERISTICS

Binder :	Acrylic	White Pigment :	Titanium dioxide	Fillers :	Calcium carbonates
Aspect :	Thixotropic	Finish :	Matte (8 GU Rhopoint 60°)	Density :	1.41 kg/L
Solid content (weight):	64.5 +/-2%	Solids content (vol):	50 +/-2%	Fineness :	< 10 µm (Hegman gauge ISO1524)
Viscosity (20°C) :	1.65 Poise (Brookfield CAPI000+ - 750RPM – 25°C)			Covering :	Class I (acc. to ISO6504-3)
Sag resistance :	> 600 µm	Elongation test :	320% at 23°C	pH :	8.3
Theoretical yield :	1.18 m²/kg or 1.66 m²/L for a dry film thickness of 300 µm				
Permeability :	0.99 Sd/m – Class V2 (ISO7783) – Vapour permeable				
	0.01 W24/kg/m².t0.5 – Class W3 (ISO1062-3) – Waterproof				
Wet abrasion resistance :	Class I (loss of 3 µm) according to ISO11998				
Dirt resistance :	Good				
Solar Reflectance Index (SRI) :	109 (acc. to ASTM E1980-11)		Total Solar Reflectance (TSR):	86.3% (acc. to ASTM E903-12)	
Thermal emissivity :	0.905 (acc. to ASTM C1371)		Tensile strength :	4.01 MPa at 23°C	

CLEANING OF THE MATERIAL

Immediately with water

STORAGE CONDITIONS

1 year in original, sealed and unopened packaging. Store in a ventilated and dry place at temperatures between +5°C and +30°C.

Our information on the technical product is used only as assistance to professional workers. During the implementation of our products, we always advise to start with a test on a small area.