

# THERMOFLEX-ONE

## 1. CHARACTERISTICS AND FIELDS OF EMPLOYMENT

Thermo-reflective waterproofing membrane (cool-roof), monocomponent paste ready-to-use, with a high elastic modulus with an extraordinary capacity to reflect over 80% of solar radiation, keeping the treated base cooler, and consequently the adjacent parts and below.

With just one product, THERMOFLEX-ONE allows the perfect waterproofing of the substrate and a noticeable improvement of the thermal comfort of the building, or of the connected structure, as well as an important energy saving.

From an economic point of view, thanks to a high level of emissivity, significant savings are achieved on the cost of refreshing homes in the summer, quantifiable up to 40%.

THERMOFLEX-ONE is used on interventions where a perfect waterproofing is required., here are the great advantages of thermo-reflectance:

- waterproofing terraces and walls where, due to insufficient insulation, greater thermal well-being of adjacent or underlying rooms is required.
- waterproofing of metal sheet and wooden roofs
- waterproofing and energy efficiency of surfaces where photovoltaic systems have been installed, where lowering the temperature of silicon panels improves production by up to 7%.

THERMOFLEX-ONE has been tested by the Engineering Department "Enzo Ferrari" EELab of the University of Modena and Reggio Emilia with Test report N.ETR-18-0236

## 2. COMPOSITION

Elastomeric-silanized emulsion, special anti-IR extender, titanium dioxide, additives

## 3. APPLICATION METHOD

### ON CEMENTITIOUS SURFACES

Check that the humidity level is less than 3%. measure with a carbide hygrometer at a depth of 4 cm.

Dust the surface perfectly and make sure that the substrate is dry and free from any traces of greese and oils. Apply a coat of DERASOL H2O diluted 1: 1 ratio with water. Spread with a metal trowel in two layers, embedding a fiberglass mesh of 90 gr / mq., The second after a minimum of 24 h.

### ON TILES

Dust the surface perfectly and make sure that the substrate is dry, and make sure that the tiles are well cohesive and free from all traces of greese or oils, lichens and musks. Apply a coat of MICROMARMO PRIMER, spread with a metal trowel in two layers embedding in fiberglass mesh of 75 gr / mq in the first layer, The second after a minimum of 24 h

### ON BITUMINOUS SHEATHS

Dust the surface perfectly and make sure the substrate is dry. Apply a coat of MICROMARMO PRIMER, spread with a metal float in two layers, embedding a fiber glass mesh of 75 gr / mq in the first layer. The second after a minimum of 24 hours

### ON SHEET METAL

Dust the surface perfectly and make sure the substrate is completely dry. Apply a coat of CROMARZINC to the rusty supports, after 24h apply with a brush and / or metal float in two layers, the second after a minimum of 24 hours.



*Emotion with paint ...*

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**Scheda Tecnica: THERMOFLEX-ONE SP 1. Rev.1La presente scheda annulla e sostituisce le precedenti**



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## 4. TECHNICAL DATA

**SPECIFIC WEIGHT:** 1,080 Kg./Lt +/-5%.

**COLOURS:** white.

**VISCOSITY:** thixotropic paste ready to use

**YIELD:** 1,2 kg./mq x 1 mm. To thickness.

**MIN THICKNESS RECOMMENDED:** 1mm

**REFLECTANCE (SR):** 0,816

**EMISSIVITY (IE):** 0.89

**SOLAR REFLECTANCE INDEX (SRI%):** 101.3

**APPLICATION:** Stainless steel trowel, brush, roller or spray.

**APPLICATION TEMP:** Between 10°C and 30°C.

**WALKABILITY:** 72 hours after application at 20 °C

**PACKAGE:** polyethylene packs of 16 kg and 4 kg.

**DRYING TO TOUCH:** 2 hours, completely dry 24h at 20°C.

**PRESERVATION:** 36 months in the intact packages away from temperature changes.

**COEFFICIENTE ELONGATION:** 250% ± 40%

**HS-CODE :** 32091000

## 5. ITEMS OF SPECIFICATION

Waterproofing treatment with thermo-reflective membrane in paste, based on silanized elastomers, special anti-IR extender, titanium dioxide, high elastic modulus, of the THERMOFLEX-ONE type of Spiver S.r.l. applied in two coats, at a minimum thickness of 1 mm, after suitable priming.

Price inclusive of material and installation, excluding scaffolding per m<sup>2</sup> € .....

NB The above-mentioned data are susceptible of variations. Spiver Ltd. is not responsible for any negative result depending on the application of the product out of the Company's control and on the agents unrelated to the product quality



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