

## TECHNICAL DATA SHEET

# THERMOGUM

### DESCRIPTION OF THE PRODUCT

THERMOGUM is a roof and wall coating with superior UV-resistance. Its composition with high content of Titanium Dioxide and light silicate hollow spheres, gives a thermo ceramic membrane which imparts a high reflectance effect and high heat emittance back to the environment. At the same time, it prevents significantly the conduction of heat to the substrate and keeps the roof surfaces much cooler in hot summer weather. It is characterized as a “cool” coating and forms an elastomeric waterproof membrane. Due to its soft fillers it is also partly sound proof. It gives a flat with sheen finish up to 2-4 units at 85°.

THERMOGUM adheres strongly on surfaces like concrete, plaster, metallic sheets, wood, urethane foam, asbestos and bituminous coatings and membranes.

NOTE FOR BITUMINOUS SURFACES: For best results, we recommend applying the product to properly aged bituminous surfaces 3-4 weeks after their application.

### RECOMMENDED USES

It is applied on exterior horizontal and inclining surfaces, e.g. roofs and vertical surfaces., e.g. walls.

### TECHNICAL DATA

**Resin:** Acrylic and Polyurethane resins

**Specific Gravity:** 1.20

**Solids b.w.:** 62±2%

**Minimum Film Forming Temperature:** 5°C

**VOC (Volatile Organic Compounds):** THERMOGUM belongs to the category WB (Exterior surfaces of mineral substrate). EU Limit Value(2010): 30g/l. The ready to use product contains max. 10g/l. It is friendly to the environment with low content of coalescing agents.

**Color:** White and many light shades through the tinting system “Wave Of Colors”.

**Elasticity:** 23°C: > 200 %

**Crack bridging:** covers cracks up to 1 mm (23°C)

#### SPREADING RATE

**Recommended Total Dry Film Thickness:** 300µm.

**Spreading rate:** Concrete substrate: 1<sup>st</sup> coat : 300-400 g/m<sup>2</sup> - 2<sup>nd</sup> coat: 250-300 g/m<sup>2</sup>.

Bituminous, metallic sheets and other smooth surfaces: 250-350 g/m<sup>2</sup> for each coat. In general the consumption depends on the nature of the substrate.

#### PACKAGING

Pails of 1.2 kg, 5 kg, 20 kg.

#### APPLICATION INSTRUCTIONS

Surfaces must be cleaned from dust and flaking parts. Mineral surfaces are primed with Acrylic Primer. At least two coats should be applied crosswise, without thinning, with an interval of 12-24 hours between coats depending on climatic conditions. Every coat must dry before the next one. On flat roofs where ponding water appears, it is suggested to apply a 3<sup>rd</sup> coat. On joints, cracks, seams and gaps a polyester fabric is required to be embedded in the membrane. Product should be briefly stirred with a motorized mixer.

**Application method:** Roller, brush, airless spray with open nozzle.

**Thinning:** The product is ready to use, if needed dilute up to 10% v/v with clean water. Tools are cleaned immediately after the application with soap and water.

#### DRYING TIME

**Touch Dry:** 0.5-2 hours.

**Recoating time:** 12-24 hours.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity. It is recommended to avoid application of the product at temperatures below 5°C and over 30°C and when there is the possibility of rain in the next 24 hours.

## STORAGE

Store in a cool place, protect from freezing and sun exposure. The material can be stored after opening if the pail is kept properly sealed in a cool sheltered place at temperatures 5-30°C and not diluted with water.

## HEALTH AND SAFETY

The product needs no danger symbols according to EC legislation, but the following is advised:

S2: Keep away from reach of children.

S24: Avoid contact with skin.

S26: In case of eye contact wash with plenty of water and seek medical advice.

S46: If swallowed get medical help immediately showing this pail.

S51: Apply in well ventilated areas.

The above safety advice phrases are in compliance with European Union

Directive 67/548 EEC.

**NOTE:** The information given above is accurate and based on the results of research and working experience, stating the constant quality of the product. But in no case guarantee can be undertaken, since the product leaves the company's control and its application takes place under responsibility of the end user. The product is produced and strictly controlled by the company's internal quality system.