

ROOFTOP INSULATION

Product Information

ROOFTOP INSULATION is an elastomeric water-based product that is produced with acrylic copolymers and is used for waterproofing of horizontal flat roofs and also in curved ceramic tiled surfaces.

It has a very high elasticity and resists in systolic and diastolic movements of hair line capillary gaps in all type of surfaces of concrete, metal or wood.

It is high weather resistance and high durable for a long time. It provides whiteness and solar reflectivity. It offers a very good energy saving performance lowering the surface temperatures and adequately the energy consumption for cooling the interior of buildings underneath.

Product Properties

Colors:	White, Red brown
Density:	1.43 ± 0.03 g/ml
Water Vapor Permeability: (EN ISO 7783: 0.14 <Sd<1.4, Medium, Class II)	S _d =0.85 m
Water permeability:	w=0.014 kg/m ² h ^{0.5}
Adhesion: (EN ISO 4624)	>1.4 MPa
Artificial Weathering UV (EN 1062-11 after 2000 hours exposure: Pass (without chalking, blistering, cracking or flaking, slightly yellowing in white product.)	
Viscosity:	130 KU
Permeability to CO ₂ : (Sd> 50 m, EN 1062-6)	S _d =87m
Reaction to fire: (EN 13501-1)	Class F
Time to touch:	2-3 hours (+23°C)
Time to recoat:	18-20 hours (+23°C)

Substrate Preparation- Product Application

Substrate should be clean and free from loose particles, dust oily or greasy materials. Other gaps or voids in substrate should be filled and repaired before application. Application with Acrylic Primer

diluted with water 1:3 follows with a total consumption of 100-200 g/m² depend on the absorption of the substrate.

Product Application

The product is applied to consumption of about 0.600-0.750 Kg/m² per layer and every new layer follows after drying enough and walkability of the surface.

In case that surface occurs high cracking (larger than capillary or hair line and more frequent in numbers) is suggested reinforcement with polyester fiberglass mesh tape or polyester fleece that should be covered in their edge. In this case and after primer's drying one layer of product is applied and before is fully dried polyester fleece is applied in touch or better embedded in the product. A second layer is suggested over the surface of the polyester fleece or fiberglass tape. Eventually for better results and performance 2 more layers of product follow with maximum consumption of 0.750 kg/m².

Rollers, brushes and airless guns could be used in application and should be cleaned thoroughly immediately after with potable water and detergent.

Packaging

ROOFTOP INSULATION is provided with packaging of 0.75 lt, 3 lt, 10 lt.

Shelf Life -Product Storage

Product has a 24 months shelf life in tight closed package that should be stored at 5-35°C and protected from direct sun light and frost.

Volatile Organic Compounds VOC

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory i, type WB is 140 g/lt (2010) for the ready-to-use product. The ready-to-use product ROOFTOP INSULATION contains VOC ≤ 2 g/lt.

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1922-CPR-2054 DoP No.: ROOFTOP INSULATION / 5010-1 EN 1504-2 Surface protection products Coating Ingress Protection Moisture control
Permeability to CO ₂ : S _d >50 m Water Vapour Permeability : S _d <5 Class I (permeable) Water Permeability : w<0.1 Kgr/m ² hr ^{1/2} Adhesion Strength : ≥ 1 N/mm ² Artificial Weathering : Pass Reaction to Fire : Euroclass F Dangerous Substances : Comply with 5.3

TO XROMA

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore, the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product .01/03-03-2023

