



Phoenix EcoTherm Roof

Phoenix

Energy - elastomeric hybrid membrane for roof sealing.

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Description

Energy - elastomeric hybrid membrane for roof sealing. Based on new technology acrylic and polyurethane resins. It has excellent adhesion on well prepared surfaces and follows their contractions and expansions. It has high heat reflectivity and contributes to the thermal comfort and saves energy resources. Contains special additives that prevent the growth of micro-organisms on the film and retains high strength at stagnant water.

Purpose of Use

Ideal for the ultimate water insulation and waterproofing of surfaces such as roofs, joints, etc. It can also be used on wood, metal and cementitious building surfaces after their proper preparation.

Product Characteristics

- > Cool material (High solar reflectance and high infrared emittance).
- > High resistance to stagnant waters.
- > Single sealing film without joints.
- > Protection of the building blocks.
- > Easy local maintenance - repair.
- > High resistance to external weather conditions.
- > Long life time.
- > Excellent elasticity.

Shades

Available in white.

Film thickness and Coverage

For the good effect of thermo-reflectance the proper film thickness of the coating should be 400µm, theoretical coverage is up to 2,5-3,5 m²/lt and it can be achieved in one or two layers, depending on application (roller, brush).

Recommended Painting Systems

New surfaces with low absorptivity

	Product	Coats
Primer	Is not required	
Final coat	Phoenix EcoTherm Roof	2 Coats, the first thinned up to 15% by volume with water and the second up to 5% by volume with water, applied crosswise.

New surfaces with high absorptivity

	Product	Coats
Primer	Solved based primer	1 coat.
Final coat	Phoenix EcoTherm Roof	2 Coats, the first thinned up to 15% by volume with water and the second up to 5% by volume with water, applied crosswise.

Packing:
5lt / 10lt



Bases:



Stir well
before use



Coverage:
up to 2,5 - 3,5m²/lt



Drying time:
Touch dry after
2 to 4 hours



Application:
With roller



Application:
With brush



Old Surfaces

Proceeded by proper preparation of the surface based on the instructions given.

	Product	Coats
Primer	Solved based primer	1 coat.
Final coat	Phoenix EcoTherm Roof	2 Coats, the first thinned up to 15% by volume with water and the second up to 5% by volume with water, applied crosswise.

Application conditions

Apply at temperature from 10°C to 35°C and relative humidity up to 70%.

Application Instructions

Applied by brush or roller, at temperature from 10°C to 35°C and relative humidity up to 70%. Do not apply on wet surfaces or if there is a possibility of rain within 48 hours.

Surface Preparation

Surfaces should be dry and free from loose and foreign materials. In old surfaces thoroughly clean from foreign material (asphalt, mold, dust, cement coatings, loose materials). If the old surface has a coating of several years or polyurethane coating should be preceded by sanding with sandpaper and stabilization control. If substrate carrying asphalt or bitumen with chippings or without, priming with solvent based primer is required, thinned 50% by volume with white spirit. Then apply Phoenix EcoTherm Roof.

Technical Characteristics

Specific Gravity	1,30 ± 0,02 gr/cm ³ (ISO 2811).
Viscosity	130 - 135 K.U. (ASTM D562).
pH	8,1 ± 0,2.
Coverage	1,5 m ² /lt, for two layers (400µm).
Elongation Resistance	> 300% (ASTM D2370-98).
Tensile Strength	3,5 MPa (ASTM D2370-98).
Resistance to fire	Class E (EN ISO 11 925-2).
Reflectivity to Solar Radiation	87% (ASTM E 903-96, ASTM G 159-98).
Infrared Emittance	0,83 (ASTM E 408-71).
Drying	Touch dry 2-4 hours, depending on weather conditions. Through dry after at least 48 hours (These times may be elongated depending on temperature and humidity conditions).
Recoating	After 12 hours depending on weather conditions. (These times may be elongated depending on temperature and humidity conditions).
Thinner	Water.
Thinning	Thinned with water at a percentage 10-15% by volume.

Packing:
5lt / 10lt



Bases:
—



Stir well
before use



Coverage:
up to 2,5 - 3,5m²/lt



Drying time:
Touch dry after
2 to 4 hours



Application:
With roller



Application:
With brush



Certification properties, as a cool body

- Reflection of solar radiation (Solar Reflectance) = 0,87 (ASTM E 903-96, ASTM G 159-98).
- Emission coefficient of infra red radiation (e) = 0,83 [ASTM E 408-71 (2002)].
- Indicator reflectivity of solar radiation (Solar Reflectance) = 109 (ASTM E 1980-01).

According to 2004/42/EC

Phase II, Subcategory c, exterior walls of mineral substrate, V.O.C content limit value = 40gr/lit,
Maximum V.O.C. Content = 40gr/lit (thinned, ready to use), Thinning: up to 15% by volume with water.

Storage

Keep cans air - tight sealed and protect from frost. For long - term storage the product is best kept indoors in order to avoid its exposure to very low or very high temperatures as well as high humidity conditions.

Product Life Time: 2 years life time from production date.

Storage Temperature: 5 - 40°C.

Instructions precautions - Prevent environmental impact - ADR

Keep out of reach of children. In case of emergency contact poison info center. If medical advice is needed, have your product container or label. Read the label before use. Dispose of contents / container in accordance with local / national / international regulations. Contains 2-octyl-2H-isothiazol-3-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May cause an allergic reaction.

The product contains additives biocides to protect the film. Active Substances: Contains 2-octyl-2H-isothiazol-3-one (Ec 247-761-7), zinc pyrithione (EC 236-671-3).

Empty containers and paint residues must be destroyed in accordance with current legislation and local regulations.

For more information ask for the Safety Data Sheet for this product.

Ensure ventilation of the workplace, wear goggles and gloves.

Not regarded as dangerous in road transport according to ADR Regulation.

Packing:
5lt / 10lt



Bases:



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up to 2,5 - 3,5m²/lt



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Application:

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Application:

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