



Phoenix EcoTherm Facade

Phoenix

Excellent quality acrylic,
thermo insulating paint.

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Description

Excellent quality, 100% acrylic paint with thermo insulating properties. Due to its special composition, it forms an elastic film which has excellent adhesion to vertical exterior surfaces. This film isolates perfectly the wall from moisture and frost and has very good thermo insulating properties, contributing to energy saving all year long (winter - summer).

Product Characteristics

- > 100% acrylic thermo insulating paint.
- > High reflectance of solar radiation (SR).
- > High emission coefficient for infra red radiation (e).
- > Great elasticity.
- > Great adhesion.
- > Anti - mold properties
- > Great resistance to weather condition changes.
- > Great resistance to froze and moisture.
- > Great opacity.
- > High coverage and whiteness.
- > Easy to apply.
- > Resistance to chalking (ASTM D4214-98).
- > Resistance to alkali (ASTM D 1308-02, ASTM D 714-02).
- > According to directive 2004/42/EC.
- > Ideal for paint / coating thermal insulation systems.

Shades

Available in white and in very pale shades based on relevant tinting system.

Application conditions

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

Application Instructions

Thin with water at a percentage up to 15% by volume and mix well before use.

Film thickness and Coverage

For the good effect of thermo-reflectance the proper film thickness of the coating should be 150 - 160µm, theoretical coverage is up to 8-11m²/lt and it can be achieved in one or two layers, depending on application (roller, brush).

Surface Preparation

Surfaces to be painted must be dry and clean from any dirt, grease, salts or loose and flaking paint. For any existing holes, cracks or wall irregularities use acrylic putty or two component putty prior to applying the product. The product is applied by brush or roller after being suitably thinned. Apply at temperatures at least 10°C and up to 70% relative humidity. Do not apply on wet surfaces or if there is a possibility of rain within 24 hours.

New Surfaces

In case of new surfaces prime first with solvent based primer Fixateur or Super Primer and then apply two coatings of the product, with a time interval of at least 24 hours between them, depending on weather conditions.

Old Surfaces

In case of already painted or covered by putty surfaces, surfaces that have been through chalking, peeled colors or covered with asbestos, all surfaces must be first rubbed with sandpaper. After that, prime with solvent based primer and then apply two coatings of the product, with a time interval of at least 24 hours between them, depending on weather conditions. In case of surfaces that have been chalked, or the old paint has been peeled off or they are covered with lime, first apply solved based primer and after 4 to 6 hours, depending on weather conditions, apply two coatings of Phoenix EcoTherm Facade, with a time interval of 24 hours at least between them.



Packing:
5lt / 10lt



Bases:
—



Stir well
before use



Coverage:
up to 8 - 11m²/lt



Drying time:
Touch dry after
1 to 3 hours



Application:
With roller



Application:
With brush



After use, remove any remaining paint from the tools and clean them with water and soap. Eluants must be handled according to the current legislation and the local regulations.

Packing:
5lt / 10lt



Technical Characteristics

Binder	Acrylic ester and styrene copolymer dispersion.
Pigments	Titanium dioxide.
Fillers	Granular materials with low thermal conductivity coefficient.
V.O.C.	35gr/lt (max content in Volatile Organic Compounds of thinned - ready to use product).
Solids	55% ± 1.
Specific Gravity	0,94 ± 0,02gr/cm ³ (ISO 2811).
Viscosity	110 - 120 K.U., 25°C (ASTM D562).
pH	8,0 ± 0,2.
Alkali Resistance	No colour change (ASTM D714-02).
Coverage	5,5m ² /lt, for two layers (150 - 160µm).
Brightness	L > 98.
Thinner	Water.
Thinning	Thin with water at a percentage up to 10 - 15% by volume, depending on application method.
Drying time	Touch dry after 1 to 3 hours (the drying time might be elongated according to temperature and humidity conditions).
Recoating	Reapply after 24 hours (recoating time might be elongated according to temperature and humidity conditions).

Bases:



Stir well
before use



Coverage:
up to 8 - 11m²/lt



Drying time:
Touch dry after
1 to 3 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).

Stampings - Environmental effect prevention

The product is not classified as hazardous and no safety measures are required. Empty cans should be destroyed in accordance with valid regulation. Liquid waste should be destroyed according to local regulations. For more information ask for the Material Safety Data Sheet.

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.

Transportation

Not dangerous while transportation according to the ADR regulation.



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Manufactured in the EU for Phoenix Distribution

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