

ACRYLAN THERMOBLOCK

Thermoprotective Acrylic Paint

Innovative water insulating and thermoprotective, high reflective paint, based on special pure acrylic UV-crosslinking elastic resins and new technology reflecting and heat insulating micro spheres. It provides an excellent finish and exhibits great protection to temperature variations and water insulation and exceptional weather fastness, even if exposed to adverse weather conditions or pollutants in a seaside or industrial environment. The product offers energy

savings due to decreased use of cooling and heating devices and simultaneously contributes to dealing with the urban heat island phenomenon and global climate change caused by global warming. Acrylan Thermo-Block is certified from the University of Athens, department of Physics as a cool paint characterized by high solar reflectance value (SR), high infrared emittance (ϵ) and high reflectance index value (SRI).



Cool Paint

Advantages:

- Certified cool paint with special 100% acrylic UV-crosslinking resins and heat insulating micro beads
- High reflectivity for energy saving
- Excellent performance & durability under extreme weather conditions
- Specially enhanced high durability (HD) shades for optimum resistance to UV radiation

PRODUCT FEATURES

TECHNICAL CHARACTERISTICS



Viscosity

110 ± 10 KU (ASTM D 562, 25°C)

Density

1,20 ± 0,02 Kg / L (ISO 2811) for the white

Gloss

< 5 units @ 60° (ISO 2813)

DILUTION



Water

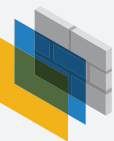
0-10 %

COVERAGE



One coat

12-14 m²/L



Two coats

6-7 m²/L

PACKAGING

White	3 L	10 L
Base	3 L	10 L

FINISH

Mat	Satin	Gloss
✓		
Mat Finish		

SPECIAL CHARACTERISTICS

According to the official measurements carried out by the Centre for Renewable Energy Sources and Saving (C.R.E.S.), this product achieves extremely low thermal conductivity coefficient λ ($\lambda_{sp thermo}$) = 0,1317 W/(m.K) (ELOT EN 12667).

DRYING TIME



Touch dry

2-3 h

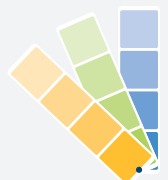
Recoat

6-8 h



COLOURS

1500 +



White and a wide range of light cool shades through **Vitex Coloring System**.

For this reason only high weather fastness and solar reflective colorants are utilized, whilst all the shades are chosen in that way that they all can achieve high reflecting properties.

FANDECKS – COLOR CARDS



EXTERIOR USE

APPLICATION

APPLICATION FIELD

For all new or old surfaces such as plaster, concrete or spatula surfaces, after proper preparation.

PREPARATION



Surfaces should be smooth, clean and dry, free from grease, dust, loose or flaking paint. Acrylan Thermoblock is directly applied on already painted surfaces as long as the old paint is sound.



To fill any cracks or holes use Acrylic Putty.

Old surfaces should be primed, on a case by case basis, with Vitosin, Durovit or Acrylan Unco Eco.

New surfaces made of plaster, concrete, cement, plasterboard, etc. should be first primed with Durovit or Acrylan Unco Eco.



STEPS

1

Dilute up to 10% with water and stir well before use.

2

Apply the first coat by brush, roller or airless spray gun.

3

Apply the second or more layers without dilution after 6-8 hours.

TIPS

- Application at 5-35°C and <70% RH. Don't apply if there is a risk of rain/frost in the next 48 hours.
- Allow new plaster or concrete surfaces to cure a minimum of 30 days prior to paint application.
- The product must be exclusively tinted through **Vitex Coloring System** in the recommended base.

- Allow at least 3 weeks before cleaning and washing newly painted surfaces with Acrylan Thermoblock. Wash gently with water using a soft sponge. In case of tough stains, use a mild colourless detergent or soapy water.
- Tools must be cleaned immediately after use with water and if needed, with soapy water or detergent.

- Minimize paint wastage by estimating how much paint you will need.
- Recover unused paint for re-use. After paint application, seal the container and store it for future use.
- Do not dispose of liquid waste into ground water table. Unused paint requires special handling for safe disposal.

ADDITIONAL INFORMATION

VOCs (Volatile Organic Compounds)



"Exterior walls of mineral substrate". VOC content limit **40 g/L**. Maximum VOC content **35 g/L** VOCs (ready for use product).

PRECAUTIONS



Please read carefully the labelling mentioned on the can before use. For detailed instructions on hazards and safety in use the Safety Data Sheet is available upon request. Poisons Control Centre Tel. : +30 210 7793 777

STORAGE



5°C-38°C

Keep containers closed in a cool and dry area.

The above technical data, information and instructions are based on our long experience and laboratory tests and are intended only to describe the product and determine its application. However, the end user should check the suitability of the product for its intended use. Our company guarantees the quality of the product itself, and in any case bears no responsibility for any damage or damage caused if the product is not used properly and in accordance with its instructions for use. The company has the right to revise this technical data sheet without any prior notice.

+30.210.5589.400
TECHNICAL SUPPORT

ISO 9001
14001
CERTIFIED 45001

