



MONOSTOP THERMO

Energetic, Hydro-isolating, elastic paint for vertical surfaces



02.2020 v02

Packing: 3lt | 10lt

Description

Energy upgrade, cool, acrylic, elastomeric and hydro isolating paint. It offers excellent waterproofing of the wall, protecting from humidity and frost, contributing to energy saving during winter and summer.

Purpose of Use

Painting of exterior surfaces

Product Characteristics

- Certified cool paint
- High solar reflection (TSR).
- High infrared emittance (e)
- Excellent elasticity
- Excellent adhesion and durability
- Ideal for painting over thermo insulating systems
- Anti-mold properties
- Resistant to frost and weather conditions changes
- High coverage
- Easy to apply
- Resistant to chalking (ASTM D4214-98)
- Resistant to alkalis (ASTM D 1308-02, ASTM D 714-02)

Shades

Available in White. It can be tinted in light shades with Berling's tinting system.

Coverage

8-11 m²/lt, depending on the absorbency and the type of the surface.

Recommended application systems

Old and new exterior surfaces

New surfaces		
Preparation	For perfect results on new surfaces, it is recommended to apply Berling's Stucco Grid putty, following the application instructions.	2 coats
Primer	Prime with primer suitable for exterior use (such as Fixateur, Super Primer, Nature Aquafix), following their application instruction	1 coat
Final coating	Monostop Thermo	2 coats
Old- already painted surfaces		
Preparation	On already painted but healthy, non-stained surfaces, no special preparation is required. In the case of loose surfaces, rubbing with sandpaper is required. Then apply putty where necessary and repeat rubbing.	
Primer	In case of already painted but healthy and stable surfaces, no priming is needed.	
	In case of loose surfaces, after preparing them as mentioned above prime with a primer suitable for exterior use (such as Fixateur, Super Primer, Nature Aquafix).	1 coat
	For chalked surfaces use primer Fixateur or Nature Aquafix to stabilise them, before applying Monostop Thermo.	1 coat
	In case of surfaces with alkali salts use Berling's Super Primer, before the final coats.	1 coat
Final coating	Monostop Thermo	2 coats

Application conditions

The application is carried out at an ambient temperature at least 10°C and a maximum relative humidity of 70%. Do not apply when there is a possibility of rain in the next 24 hours.

Application Instructions

The surfaces to be painted should be dry and clean of any dust, grease, salt and old peeled paints. Any holes, cracks or unevenness of the wall should be puttied with Acrylic Putty or Berling Stucco Grid, following their application instructions. The product is applied by brush or roller after appropriate thinning.

Technical Characteristics

Density	0.96 ± 0.03 gr/cm ³ (ISO 2811)
Viscosity	100-115 K.U., 25°C (ASTM D562)
pH	7,7-8,7
Gloss	<4 units, 60°.
Coverage	8-11m ² /lt
Solar Reflectance (SR):	0,87 (ASTM E903-96, G159-98)
Infrared emittance (e)	0,83± 0,02 (ASTM E 408-71)
Solar Reflectance Index (SRI)	109 (ASTM E 1980-01)
Thermal Conductivity	0,2551 W/mK (ISO DIS 22007-2.2)

Thermal Diffusion	0,2477 mm ² /s (ISO DIS 22007-2.2)
Special heat capacity	1.030 MJ/m ³ K (ISO DIS 22007-2.2)
Drying time	Touch dry 1- 3 hours, depending on the weather conditions. Complete hardening of the coating is achieved after at least 5 days, in mild weather conditions (These times might be elongated according to temperature and humidity conditions)
Recoating	Repaint after 24 hours, depending on weather conditions. (the drying time might be elongated according to temperature and humidity conditions).
Thinning	Thin with water at 10 - 15% by volume, depending on the application method

ACCORDING TO 2004/42/EC

PHASE II, Subcategory c, Exterior walls and mineral substrate, Value limit V.O.C.= 40gr/lit, max VOC.=35gr/lit (ready to use product).

Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.

Safety Instructions- Prevention of environmental harming

Wear protective gloves and goggles. Do not eat or drink anything while using the product. Always wash hands with appropriate cleaning products.

Clean tools after use with soap and water. Do not dispose eluants and paint remains in the sink, toilet or bin. Empty cans and paint residues must be disposed of in accordance with applicable laws and local regulations. Advice should be asked from local authorities regarding the disposal and collection of waste.

Keep out from reach of children. Always read the label before use.

For further information ask for the Safety Data Sheet of the product.

All the above information is based on laboratory tests and long-term experience of the company's scientific personnel. Product quality is guaranteed by our operational system, which is based on the requirements of ISO 9001, ISO 14001 and OHSAS 18001 Standards and EMAS Regulation. As producers we don't take any responsibility for any damage that may be caused in cases that the product hasn't been used for the appropriate application and according to the application instructions.

BERLING SA

Paint Industry

Inofita Viotias, P.C. 32011

tel.: +30 22620 31663, fax.: +30 22620 31293

www.berling.gr / info@berling.gr

