

Enviro SurfaPaint ThermoDry Elastomeric Roof

Thermal-Protective, Stain-Resistant Waterproofing Paint for Roofs



DESCRIPTION

Enviro SurfaPaint ThermoDry Elastomeric Roof is a high-quality, thermal-protective, waterproofing paint of unique formulation that combines different performance pillars.

Enviro SurfaPaint ThermoDry Elastomeric Roof's hybrid formulation provides an elastomeric behaviour in a wide range of external temperatures, allowing coverage of cracks of up to 1.5 mm. It also provides a thermal conductivity 4 times smaller than that of a regular paint and its final coating reflects thermal radiation and limits moisture absorption.

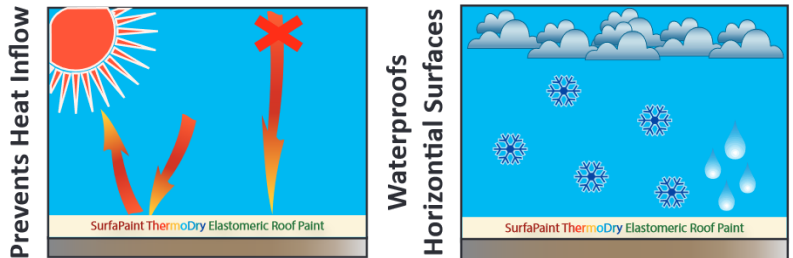
All in all, Enviro SurfaPaint ThermoDry Elastomeric Roof combines the functionality of unique elements to offer a "smart" final coating that protects and saves energy.

FEATURES & BENEFITS

- Thermal protective – minimise costs for heating and cooling
- Waterproofing – withstands ponding water and prevents mould growth
- Certified Cool Paint – high solar reflectance
- Environmentally friendly – water-based & low VOC
- Elastomeric formulation for crack bridging
- Remains white – stain resistant and dirt-repelling
- UV & alkali resistant – suitable for adverse weather conditions
- Extended lifetime
- Easy surface application

TYPICAL USES

Ideal for thermal insulation and waterproofing of exterior horizontal and inclining surfaces such as terraces, balconies and roofs. It can be applied to concrete, cement, plaster, metal, roof tiles, bricks, mosaic cement mortar, bituminous membranes (with mosaic, without aluminium coating) and it is suitable for sealing terraces with photovoltaics.



PHYSICAL PROPERTIES

Type	Water-based, Polyurethane-acrylic hybrid elastomeric dispersion	Thinner/Cleaning Solvent	Water
Colour	White	Mixing Ratio (% w/w)	5-10%
Solids (%vol.)	56 ± 5 %	Touch Dry Time	2-3h @ 20 °C
Viscosity (ASTM D562-10)	105 ± 5KU	Dry Through Time	8-10h @ 20 °C
Density (ISO 2811-1)	1.00 ± 0.05 g/cm ³	Min. Recoat Interval	24h @ 20 °C
pH (ISO 19396-1)	8.50 ± 0.50		



INTERNATIONAL STANDARDS TESTING

Thermal Conductivity (EN ISO 12667:2004)	0.1 W/(mK)	Solar Reflectance Index (SRI)	117
Reflectance (ASTM E 903-96)	Total: 91.58% (250-2200 nm) Infrared: 94.76% (700-2200 nm)	Elongation	-10°C: 400% 23°C: 381% 60°C: 315%
Emittance (ASTM E408-71):	0.92	Liquid water permeability	Class III (w-value = 0.040 kg / m ² h ^{0.5})

SUBSTRATE PREPARATION

All surfaces should be clean, dry and free from oil, grease and other foreign, friable (i.e. easily crumbled) material or contamination.

New substrates of cement and masonry should have cured for more than 4 weeks before the application. For cracks bigger than 1.5 mm, fill the gap with a suitable putty. The substrates should be primed before the application either with Enviro SurfaPaint ThermoDry Elastomeric Roof diluted with 50% v/v with water or with Enviro Prime WB (porous surfaces) or Enviro SurfaMix Universal Primer (non-porous surfaces like metal).

For further information on substrate preparation or for project specific advice, please consult EnviroSystems.

customerservice@envirosystems.com.au

APPLICATION

Stir well before application. Application temperature should be between 8 - 35°C. The moisture on the substrate should not exceed 6% (by weight) and the relative humidity should not exceed 80%.

Two full uniform coats are recommended by using a good quality brush, roller or spray without thinning. Apply the second coat perpendicular to the first coat. Ensure corners and edges are adequately covered. Recommended interval between coats is 24h. Maximum sealing effect is achieved 7 days after application.

All tools and equipment should be cleaned immediately after use with warm water and soap.

COVERAGE

Wet Film Thickness (per coat)	270 µm
Dry Film Thickness (2 coats)	300 µm
Coverage Rate (per coat)	3.7 m ² /L

Estimated coverage rate is strongly dependent on the properties of the surface applied.

DURABILITY

Up to 7 years, depending on application, maintenance, type of use, type of environment and climate.

APPROVALS & CERTIFICATES

Rated product by European Cool Roofs Council (ECRC)– Product ID: FA00000008.



PACKAGING & COLOURS

Enviro SurfaPaint ThermoDry Elastomeric Roof is white and it is supplied in 10L plastic pails.

SHELF LIFE

Enviro SurfaPaint ThermoDry Elastomeric Roof can be stored in its original sealed containers for 18 months, when placed in a cool environment above 4°C. Once opened and resealed for later use, the shelf life could vary depending on storage conditions. Always check product quality before using after prolonged periods of storage. If unsure, please contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

Read label before use. Refer to the Safety Data Sheet for full safety and handling procedures.

NOTE: Safety Data Sheets are available under the individual product page on our website or by emailing customerservice@envirosystems.com.au



We're here to help you!

It is a good idea to keep a journal of your project, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

Waterproofing Technologies Pty Ltd

Address 295 Princes Highway, St Peters NSW 2044
Sydney, Australia
Phone +61 2 8595 8699
Fax +61 2 8595 8660
Email customerservice@envirosystems.com.au
Web www.envirosystems.com.au

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