

HYROOF HYBRID PU

Waterproofing PU Roof Coating

HyRoof Hybrid PU is hybrid elastomeric waterproofing roof, new technology based on acrylic polyurethane emulsion offering a complete waterproofing protection system for more than 10 years. It is certified with European Technical Approval (ETA 16/0755) by the notified body TZUS - member of EOTA - according to the European Technical Standard EAD 030350-00-0402 (Liquid Applied Roof Waterproofing Kits). It forms a highly elastic, seamless membrane providing excellent protection from moisture and standing water. It has excellent adhesion to most commonly used roof substrates such as concrete, asphalt membranes, cement tiles, old insulations etc, after proper preparation or/and priming with HyRoof Hybrid PU Primer. Shows very low water uptake and crack bridging ability. Offers waterproofing and protection for bathrooms and balconies (use under tiles).

It is subjected to low-traffic use. Its innovative formula offers fast surface hardness, no tack surface, low dirt pick up, able to keep reflectance properties for longer time. Exhibits high resistance to extreme weather conditions from -30°C/+90°C and excellent resistance to UV radiation and thermal ageing. Certified by the University of Athens, Department of Physics, as a cool thermoreflective roof coating, is a top layer of high reflectivity (visible spectrum reflectance 93%) which improves energy efficiency by reducing cooling costs. It is also certified as a coating for surface protection of concrete according to EN 1504-2. Easy application, safe use and no restrictions makes HyRoof Hybrid PU ideal solution for DIY application.



ETA 16/0755



Cool paint



10 years Protection



Green Building Rating System

Advantages:

- Provides excellent protection, allowing moisture to escape
- 93% reflectivity for reduced cooling costs - certified cool paint
- 300% elasticity for seamless covering of cracks and defects
- Easy and odorless application to all substrates
- Excellent adhesion to all building surfaces such as concrete, bituminous membranes, roofing and ceramic tiles, wood, metal, etc.

PRODUCT FEATURES

TECHNICAL CHARACTERISTICS



Viscosity

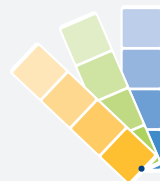
125 ± 10 KU (ASTM D 562, 25°C)

Density

1,32 ± 0,02 Kg / L (ISO 2811) for white

COLOURS

White



COVERAGE

- Total recommended consumption of at least 0.7-1.0L/m² (0.9 – 1.3 Kg/ m²)
- For more than 10 years protection total required consumption of at least 1.9 L/m² (2.5 Kg/ m²)

DRYING TIME



Touch dry

2-3h

Recoat

16-24h

SPECIAL CHARACTERISTICS

Reaction to fire : E

Capillary absorption and permeability to water: w < 0,1 kg/m².h^{0.5}

Water vapour permeability: SD = 0,8m (Class I)

Adhesion strength by pull off test: >2,0 N/mm²

Permeability to CO₂: >50m

PACKAGING

White	750 mL	3 L	10 L	16 L
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ROOF INSULATION

APPLICATION

FIELD OF APPLICATION

For common roof substrates such as concrete, asphalt membranes, cement tiles, old insulations etc.

PREPARATION



Surfaces should be smooth, clean and dry, free from grease, dust, loose or flaking paint.



Cracks or joints should first be filled with Elastomeric Putty.



New or weathered surfaces should be primed with HyRoof Hybrid PU Primer for the stabilization of the substrate.



STEPS

1 Stir well before use.

2 Apply the first coat by roller, brush or airless spray gun all over the flat surface and on perimeter vertical parapets at least 30-40 cm in height.

3 Recoat cross-wise after 16-24 hours.

PROTECTION

For protection and increase the lifetime of the waterproofing more than 10 years is required to use the Polyester HyRoof as a reinforcing material which is incorporated between the layers while the underlying surface is still wet.

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 concrete surfaces to cure a minimum of 30 days prior to priming.
- 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 **10 g/L** VOCs
(ready for use product).


STORAGE



5°C-38°C

Keep containers closed in a cool and dry area.

 1020		
VITEX S.A. P.O. BOX 139 IMEROS TOPOS ASPROPYRGOS GR 19300 HYROOF HYBRID PU SYSTEM 17 DoP No : VIT-CPR-0027		
ETA 16/0755 EAD 030350-00-0402 LIQUID APPLIED ROOF WATERPROOFING KITS		
External fire performance	No performance assessed	
Reaction to fire	E	
Expected working life	W2 (10 years)	
Climatic zone of use	S (severe)	
User loads	Less compressible substrate	P2
	Most compressible substrate	P2
Roof slopes	S1 – S4	
Minimum surface temperature	TL3 (TL4) -20°C (-30°C)	
Maximum surface temperature	TH4 (90°C)	

 16		
VITEX S.A. P.O. BOX 139 IMEROS TOPOS ASPROPYRGOS GR 19300 HYROOF HYBRID PU 16 DoP No : VIT-CPR-0030		
EN 1504-2 Surface protection systems for concrete-Coating		
Reaction to fire	E	
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	
Water vapour permeability	$S_0 = 0,8\text{m}$ (Class I)	
Adhesion strength by pull off test	$>2,0 \text{ N/mm}^2$	
Permeability to CO ₂	$>50\text{m}$	
Dangerous substances	Complies with §5.4	

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

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.

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TECHNICAL SUPPORT

