

The Integrated Hybrid Roof Insulation System Offering More Than 10 Years Of Protection



HYBRID PU *HyRoof*



Energy saving

- ✓ 93% high solar reflectance
- ✓ High resistance to ponding water
- ✓ Adhesion to most commonly used roof substrates



HyRoof HYBRID PU

The new hybrid elastomeric polyurethane waterproofing system **HyRoof Hybrid PU** is *specifically designed for extreme climatic conditions* and offers more than **10 years of protection** with high resistance to ponding water. Its easy application makes **HyRoof Hybrid PU** the ideal solution for professional or DIY use.

Certified under the European Technical Assessment (**ETA/0755**) from the authorized testing and certification organization TZUS - member of **EOTA** - according to the European technical guideline **ETAG 005** (Liquid Applied Roof Waterproofing Kits).



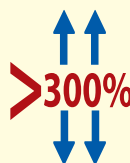
Also certified by the **University of Athens**, Department of Physics, as a **cool thermoreflective** roof coating.



Why HyRoof Hybrid PU?



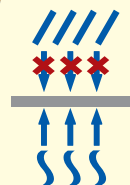
✓ **93% Certified solar reflectance** (SRvis) and superior **whiteness**, presents low dirt pick up and **reduces cooling costs significantly**.



✓ With over **300% elasticity**, it forms a seamless membrane with high crack bridging ability.



✓ **Excellent adhesion** to all building surfaces such as concrete, bituminous membranes, roofing and ceramic tiles, wood, metal, etc.



✓ **Impermeable membrane** to the external moisture but **at the same time permeable** to the trapped water vapor.

Application steps

1



Surface preparation

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



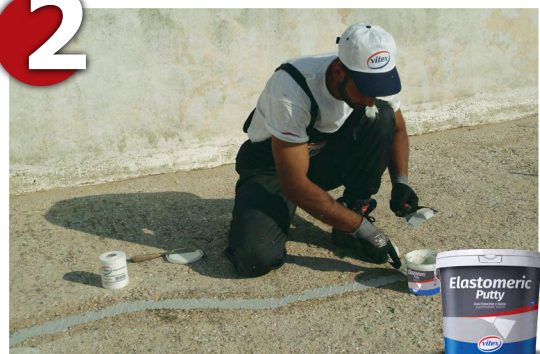
Anticorrosive protection of metallic elements

Remove dirt and rust from the metal structure and apply directly to the rusted surface **Direct-1 of Vitex** for an effective protection against corrosion.

Repairing cracks

Open the crack using a scraper or spatula, clean the surface, prime with **HyRoof Primer** and repair it with **Elastomeric Putty** of **Vitex** (for cracks with thickness up to 1 cm). Once dry, apply the first layer of **HyRoof Hybrid PU**, embed the **HyRoof Polyester Tape** while the layer is still wet and cover it with the material.

2



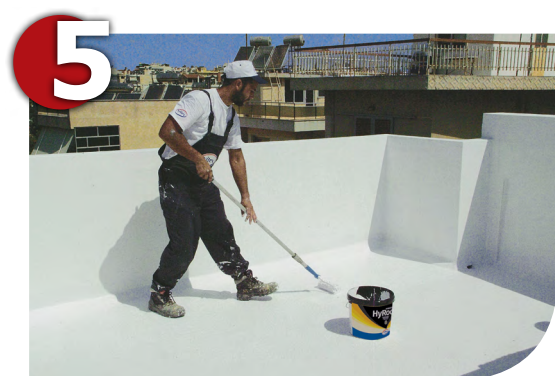


Substrate priming

Apply undiluted **HyRoof Primer Hybrid PU** evenly across dry surface and allow to dry for 2 - 3 hours. Apply with brush or roller.

1st HyRoof Hybrid PU layer of application

HyRoof Hybrid PU is ready to use and can be applied by brush, roller or airless spray gun, all over the flat surface and on the perimeter vertical parapets in at least 30 - 40 cm in height.



2nd HyRoof Hybrid PU layer of application

Recoat after 16 - 24 hours depending on the weather conditions (humidity and temperature). Apply crosswise with a total consumption of at least 1 lt/m² for the first and second layer.



Final surface

The final protected surface has high whiteness, provides superior waterproofing and reduces the building's cooling costs.

HyRoof Hybrid PU - Real sample

10 years protection

For more than 10 years of waterproofing protection you need to apply (after step 3):

a. HyRoof Polyester Tape in the corner joints, which must be reinforced due to expansion - contraction movements. Apply a layer of **HyRoof Hybrid PU**, embed the tape while the layer is wet and cover it with the material.

b. Place the **HyRoof reinforced Polyester** while the second layer is still wet and cover it with **HyRoof Hybrid PU**. The next day, apply the final layer crosswise. The total consumption of **HyRoof Hybrid PU** is recommended to be at least 1,9 lt/m², applying 1,1 lt/m² under the reinforcement and 0,8 lt/m² as a top coat.



The integrated HyRoof Hybrid PU System includes:



HyRoof Hybrid PU

New technology Hybrid elastomeric waterproofing roof coating, based on acrylic polyurethane emulsion with excellent adhesion to all building surfaces.

- ✓ Forms a highly elastic, seamless membrane.
- ✓ Highly resistant to temperature changes, UV radiation and thermal aging.
- ✓ More than 10 years protection against moisture and ponding water.

Packaging

750mL
3L
10L



HyRoof Primer Hybrid PU

Hybrid water - based primer, ideal for priming surfaces to be sealed with HyRoof Hybrid PU. It has strong adhesion to concrete, bituminous membranes, cement tiles, acrylic, polyurethane paints etc.

- ✓ Penetrates, waterproofs and stabilizes the surfaces.
- ✓ Slightly colored for the purpose of easy detection of the primed area.

Packaging

5L
15L



Elastomeric Putty

Elastomeric water - based acrylic putty suitable for repairing and waterproofing interior and exterior surfaces. It is highly resistant to humidity, changes in temperature, alkalinity, and external conditions and is used on surfaces such as concrete, brick, plaster, cement, wood, plasterboard.

- ✓ Hardly shrinks and does not crack.

Packaging

400gr
800gr



HyRoof Polyester Tape

Polyester reinforcement 50 gr/m² to enhance the liquid material in corners, parapets, joints, cracks, gutters.

Rolls

10cm x 100m
30cm x 100m



HyRoof Reinforced Polyester

Reinforced Polyester 75 gr/m². Easily impregnated and adapts perfectly to the surface to be treated. Improves the performance of HyRoof Hybrid PU waterproofing system.

Rolls

1m x 100m

The ideal solution for professional or DIY application

- ✓ Odorless
- ✓ Ready to use
- ✓ Easy to apply



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