

# Total Proof™ PU FIBER 25



**THINNING**  
0%



**CONSUMPTION**  
For 25 years working life is 3,0 – 3,5 Kg/m<sup>2</sup>.  
As a waterproofing membrane in two layers of approx. 1,0 – 1,5 kg/m<sup>2</sup>



**APPLICATION**  
Brush, roller, or airless gun



**DRYING**  
3 hours

Elastomeric hybrid waterproofing membrane with aliphatic polyurethane

- » 25 years working life
- » Ideal waterproofing of the roofs
- » High elasticity and resistance to user loads
- » Excellent weather resistance
- » Non yellowing

- » Excellent behavior during temperature deviations
- » Remarkable mechanical properties
- » Resistance to standing water
- » Excellent reflectivity in solar radiation
- » Ease of application

## DESCRIPTION

Total Proof PU FIBER 25 is a hybrid elastomeric liquid waterproofing waterborne membrane for roofs. It is based on acrylic-aliphatic polyurethane copolymer. It is certified as part of the system TOTAL PROOF PU FIBER 25 SYSTEM (ETA-24/0356) according to EAD 030350-00-0402 which provides 25 years working life on the roof. It is enhanced with **3D Fiber Technology** creating a uniform, elastic membrane with cohesion in high film thickness, which offers high mechanical strength, durability, and excellent waterproofing on flat roofs. It is a cool material since its excellent whiteness is evaluated by the National Technical University of Athens, contributing to energy savings, limiting air conditioning loads during the summer.

### Exterior walls of mineral substrate A/c (WB)

- Limit value: 40g/L.
- Maximum content of VOC of the product in its ready to use condition: 39g/L.

## FIELD OF APPLICATION

Total Proof PU FIBER 25 is used as a cool material and roof waterproofing membrane as part of the TOTAL PROOF PU FIBER 25 SYSTEM providing 25 years working life. It has excellent adhesion to horizontal surfaces made of concrete, cement mortar, etc. while at the same time it seals cracks since it has excellent elasticity and resistance to intense temperature variations.

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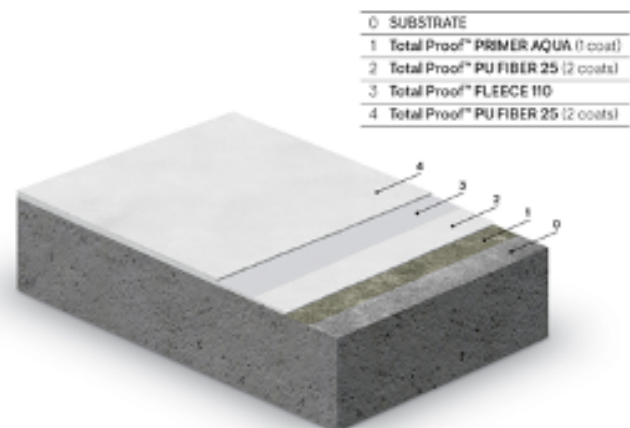
Elastomeric hybrid waterproofing membrane with aliphatic polyurethane

TECHNICAL DATA	
Density ISO2811 @ 25°C	1,30g/mL (±0,05)
Weight solids (w/w) ISO 3251	62% (±2)
Viscosity ASTM D 562-05 @ 25°C	115KU (±10)
pH	8,9 (±0,5)
Accelerated weathering UVA+condensation/2000h (EN 1062-11)	Blistering: 0(S0) Cracking: 0(S0) Flacking: 0(S0)
Total solar reflectance TSR ASTM G173-03	0,87
Thermal emittance coefficient	0,87
Reflectance in the near infrared radiation RNIR, ASTM G173-03	0,89
Solar reflectance index SRI ASTM E1980-01	110
Consumption per layer	0,600 – 1,0 Kg/m <sup>2</sup>
According to EN1504-2	
Adhesion EN1542	>1,5 N/mm <sup>2</sup>
Capillary water absorption EN1062-3	<0.1Kg/m <sup>2</sup> .h <sup>0,5</sup>
Permeability to CO <sup>2</sup> EN1062-6	Sd >50m
Permeability to water vapour EN ISO7783	Sd <5m
Reaction to fire EN13501-1	E

- » **Ideal waterproofing choice for roofs with pedestrian traffic for up to 25 years**
- » **High resistance to standing water**
- » **Uniquely resistant to extreme weather conditions**
- » **Excellent mechanical and chemical resistance**
- » **Adhesion to a variety of substrates (even on previous, well anchored, waterproofing layers)**

Declared performance levels of the TOTAL PROOF PU FIBER 25 SYSTEM kit according to the intended use	
Working life	category W3 (25 years)
Climatic zone of use	S (severe) and M (moderate)
User loads (most and less compressible substrate)	P3 (normal load)
Roof slopes	S1-S4 (from <5% to >30%)
Minimum surface temperature	TL3 (-20°C)
Maximum surface temperature	TH4 (90°C)

### Application stages of TOTAL PROOF PU FIBER 25 SYSTEM



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## DIRECTIONS FOR USE

- 1. SUBSTRATE - PREPARATION:** Ensure even, clean, solid, free from standing water, dust, oil and loose elements substrate. For any necessary repairs for the proper preparation of the substrate, select the appropriate repair materials from KRAFT Paints product line. On absorbent substrates (e.g. concrete, cement, old tiles, etc.) prime with Total Proof Primer Aqua when applied as certified system or alternatively with Eco Dur Aqua or Dur, by KRAFT Paints. On non-absorbent substrates (e.g. glossy tiles, mosaics, asphalt, etc.) prime with the transparent Kraft Epoxy Floor Primer Aqua.
- 2. MIXING:** No dilution is needed if it is applied as part of the TOTAL PROOF PU FIBER 25 SYSTEM. Dilute with water up to 10% for the first layer when the product is applied out of the certified system.
- 3. APPLICATION** After applying the primer wait 24h and apply the first

layer of Total Proof PU FIBER 25 without dilution after mixing properly the material in the container using a roller, brush, or spraying machine.

After 24 hours apply the 2nd and 3rd layers wet on wet while in the interval lay the 110 g/m<sup>2</sup> polyester reinforcement fleece Total Proof FLEECE 110 carefully to avoid air entrapment. After 24h apply the 4th layer crosswise for maximum protection and 25 years working life.

For the local reinforcement of the waterproofing membrane and for applications in cracks, joints, corners, and joints of horizontal-vertical surfaces, use the 60g/m<sup>2</sup> reinforcement tape of 10cm width, Total Proof TAPE 60.

- 4. CLEANING:** Immediately after the application the tools must be cleaned with warm water and soap or a detergent solution. Remove as much material as possible from tools before cleaning.

## IMPORTANT NOTES

Do not apply at temperatures below 5°C and above 35°C as well as at humidity levels above 65%. Do not apply in case of frost forecast

for at least next 48 hours after application. Do not apply in case of impending rain or in direct intense sunlight and wind currents.

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with aliphatic polyurethane

## PACKAGING - SHADES:

It is available as white in 1Kg, 4Kg & 13Kg containers.

 1020	<b>Druckfarben Hellas S.A.</b> Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
<b>24</b> DoP No 04.10 <b>Total Proof PU FIBER 25</b> <b>EN 1504-2:2004</b> Coating (C) for surface protection of concrete structures according to principles 1(PI), 2 (MC) and 8 (IR)	
Reaction to fire	E
Permeability to CO <sub>2</sub>	S <sub>p</sub> >50m
Permeability to water vapour	Class I
Capillary absorption and liquid water permeability	w < 0,1 kg / m <sup>2</sup> h <sup>0,5</sup>
Adhesion strength by pull-off test	≥ 1.5 mm <sup>2</sup>
Dangerous substances	See SDS

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<b>24</b> DoP No 04.10 <b>Total Proof PU FIBER 25</b> Liquid applied roof waterproofing kits <b>W3</b> <b>EAD 0300350-00-0402</b> <b>ETA 24/0356</b>	

## CONSUMPTION

The total consumption of Total Proof PU FIBER 25 for 4 layers as part of the TOTAL PROOD PU FIBER 25 SYSTEM for 25 years working life is approximately 3,0 – 3,5 Kg/m<sup>2</sup>. The total system thickness including the reinforcement is approx.. 2mm. Total Proof PU FIBER 25 can be used out of the certified system as a waterproofing membrane in two layers of approx. 1,0 – 1,5 kg/m<sup>2</sup> total consumption.

## HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

Carefully read and follow all cautions and warnings on product label. For further information refer to the Safety Data Sheet for this product.

Poison Centre Telephone:

0030 210 7793 777

## STORAGE

Store the product at temperatures between 5°C and 35°C away from direct sunlight and rain, for a maximum of 24 months from the date of production. Keep containers tightly closed when not in use.

