

# Total Proof™ Pu-Hybrid



**THINNING**  
0%



**COVERAGE**  
0.8 - 1.2 L/m<sup>2</sup>



**APPLICATION**  
brush, roller or  
airless spray gun



**DRYING**  
2 - 3 hours

Water-based, hybrid polyurethane /  
acrylic waterproofing membrane for roofs

### » Very good reflectance & adhesion

KRAFT TOTAL PROOF PU HYBRID is a high-quality water-based, hybrid polyurethane-acrylic membrane designed for waterproofing roofs. It features high elasticity and it has the ability to cross-link under exposure to UV radiation. It can be easily applied to flat and sloped roofs of concrete, masonry, asphalt substrates or previous waterproofing substrates, featuring exceptional adhesion. It provides excellent waterproofing as well as resistance to severe weather conditions, microorganisms and UV radiation. It also maintains its elasticity at low temperatures, firmly following the expansions and contractions caused by extreme or rapid changes of temperature, preventing cracking. It also prevents dirt pick-up thus maintaining its whiteness and its reflectance properties for long. It is user- and environment-friendly being solvent-free. It is evaluated as cool material featuring high solar reflectance and high IR emissivity, resulting in reduction of the roof surface temperature and improvement of the building's energy efficiency.

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

- VOC Limit Value: 40g/L.
- Maximum VOC concentration of the ready to use product: 39 g/L.

### » Cool material

### » Resistance to severe weather conditions

#### TECHNICAL DATA

Density ISO 2811 @ 25°C	1.15 g/mL (±0.02)
Volume solids %	53% (±1)
Viscosity ASTM D 562-05 @ 25°C	110KU (±10)
Tensile Strength ASTM D412	>1.5MPa
Adhesion ASTM D 903	>1.5 N/mm <sup>2</sup>
Elongation at break ASTM D 412	>400%
Hardness (Shore A) ASTM D2240	45
Water absorption EN 1062-3	0.05 Kg/m <sup>2</sup> h <sup>0.5</sup> (Class W3)
Water Vapour Permeability EN 7783-2	S <sub>d</sub> <2.0m (Class V1)
Total Solar Reflectance (TSR) ASTM G 173	87*
Infrared Emittance (ε) ASTM E 408-71	0.89*
Solar Reflectance Index (SRI) ASTM E1980	110*
Coverage (Total)	0.8 - 1.2 Kg/m <sup>2</sup> **

\* Only for white.

\*\* Depending on the shade, the application method and the surface absorption.

# Total Proof™ Pu-Hybrid

Water-based, hybrid polyurethane / acrylic waterproofing membrane for roofs

## SURFACE PREPARATION AND APPLICATION

- » To ensure proper adhesion, the surface must be dry, smooth, clean and free of dust, grease, salts, rust, loose paints and residues, blistered paint, etc. The moisture content should not exceed 15%. Remove all moss, fungi and algae by mechanical abrasion, wash with soapy water and allow the substrate to dry.
- » Surfaces of fresh concrete, stucco, plaster and asphalt : should be left to dry for at least 4 weeks before applying : KRAFT TOTAL PROOF PU HYBRID.
- » Fill in joints and cracks using a suitable KRAFT sealant.
- » Before applying, make sure sufficient inclinations and gutters exist on the roof. In case of puddles with standing water, fill the cavities with a suitable KRAFT repair material. The inclinations should be at least 1.5%-2%.
- » On porous substrates (concrete, cement, etc.) apply one coat of: KRAFT ECO DUR AQUA diluted with water 80% and allow to dry.
- » On non-porous substrates (ceramics, tiles, terrazzo, metals, etc.) : apply one coat of KRAFT EPOXY FLOOR PRIMER AQUA Transparent and allow to dry.
- » On bituminous substrates apply one coat of : KRAFT TOTAL PROOF PU HYBRID diluted with water 20% and allow to dry for 24 hours.
- » Apply crosswise in two thick coats, with a roller, a brush, an air-assisted or an airless spray gun without thinning. Apply the second coat after 6 hours.
- » On difficult areas apply thicker or more coats. You can use a suitable reinforcement or KRAFT HYDROGUARD NET to enhance those parts

## APPLICATION INSTRUCTIONS

- » Tools: Roller, brush, airless or air-assisted spray gun.
- » Thinning: Ready to use.
- » Dry to Touch: 2-3 hours at 25°C and 50% relative humidity (drying time is longer in humid/cold conditions).
- » Minimum recoating time: 6 hours.
- » Stir well before and during application.
- » Do not apply at temperatures below 5°C or above 35°C and at a relative humidity 65% or higher.
- » In warm weather conditions it is advisable to apply in the early morning hours when the roof surface temperature is lower than 30°C, and not under direct sunlight.

- » The use of the surface is not recommended earlier than 48 hours after application, and always depending on the relative humidity.
- » The membrane is fully durable not earlier than 7 days after application, at normal temperature and relative humidity.
- » In case of expected rain, avoid applying in the next 2 days

## AFTER USE INSTRUCTIONS

- » Clean the tools and remove product residues immediately after use with warm water and soap or detergent.

## PACKAGING

Available in White and Brick red in 0.750L, 3L and 10L containers.

## HEALTH, SAFETY & ENVIRONMENTAL PROTECTION INSTRUCTIONS


Read the label carefully before use. For more information, please refer to the Safety Data Sheet.

Poison Centre Telephone:

+30 210 7793 777

## STORAGE

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

	
<b>DRUCKFARBEN HELLAS SA</b> Megaridos Ave. 19300 Aspropyrgos	
<b>16</b>	
<b>DoP: 01-1220-2</b> <b>EN 1504-2</b> <b>Surface protection system-coating</b>	
Carbon dioxide permeability	Sd>50m
Water vapour permeability	Class I
Capillary absorption and liquid water permeability	<0.1Kg/m <sup>2</sup> h <sup>0.5</sup>
Bond strength	> 1.0 N/mm <sup>2</sup>
Dangerous substances	NPD
Reaction to fire	Euroclass F

07/2023 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

2/2

**DISCLAIMER:** The above technical data, information, recommendations, and instructions are based on our scientific and technical knowledge, laboratory studies and long experience. However, the above information should be considered indicative and should be reviewed in any case in relation to each specific condition and practical application. Consequently, the suitability of the product for each specific application must be evaluated after referring to the updated Technical Data Sheet and to our website [www.kraftpaints.com](http://www.kraftpaints.com), as well as after contacting our technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable consequences after using the product.

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