

# Total Proof™ Pu-Aqua



**THINNING**  
0%



**COVERAGE**  
1.2 - 1.5 Kg/m<sup>2</sup>



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



**DRYING**  
1 - 2 hours

Water-based, polyurethane waterproofing membrane for roofs

### » Resistance to mechanical stress & UV radiation

KRAFT TOTAL PROOF PU AQUA is a high-quality water-based, polyurethane membrane for waterproofing roofs especially designed to provide great resistance and durability. Thanks to its innovative formula it creates a breathable, waterproof membrane featuring high and long-lasting resistance to severe weather conditions, mechanical stress, UV radiation, stagnant water and frost. It also maintains its elasticity from -15°C to +80°C, firmly following the expansions and contractions caused by extreme or rapid changes of temperature, preventing cracking. It fully covers capillaries and cracks of 1mm. It prevents dirt pick-up thus maintaining its whiteness and its reflectance properties for long. Its polyurethane formula ensures quick drying and walkability on the roof surface. It can be easily applied even on liquid substrates, on flat and sloped roofs of concrete, masonry, asphalt substrates and 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	1.38 g/mL (±0.02)
Volume solids (%)	55% (±2)
Viscosity ASTM D 562-05 @ 25°C	110KU (±10)
Tensile Strength ASTM D 412	>3.5MPa
Adhesion ASTM D 903	> 1.5 N/mm <sup>2</sup>
Elongation at break ASTM D 412	> 400%
Hardness (Shore A) ASTM D 2240	>60
Water absorption EN 1062-3	0.05Kg/m <sup>2</sup> h <sup>0.5</sup> (Class W3)
Water Vapour Permeability EN 7783-2	S <sub>d</sub> < 2.4m (Class V1)
Whiteness Index ASTM E 313-98	88.0 (±1.5)*
Yellowness Index ASTM E 313-98	0.3 (±0.5)*
Total Solar Reflectance (TSR) ASTM G 173	86*
Infrared Emittance (ε) ASTM 408-71	0.87*
Solar Reflectance Index (SRI) ASTM E1980	110*
Coverage (Total)	1.2 – 1.5Kg/m <sup>2</sup> **

\* Only for white.

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

# Total Proof™ Pu-Aqua

Water-based, polyurethane waterproofing membrane for roofs

## SURFACE PREPARATION AND APPLICATION

- » To ensure proper adhesion, the surface must be smooth, clean and free of dust, grease, salts, rust, loose paints and residues, blistered paint, etc. The moisture content should not exceed 20%. 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, gypsum and asphalt should be left to dry for at least 4 weeks before applying KRAFT TOTAL PROOF PU AQUA.
- » Fill in joints and cracks and repair damaged parts using a suitable KRAFT sealant.
- » On porous substrates (concrete, cement, etc.) apply 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 or previous acrylic or polyurethane paints apply one coat of KRAFT TOTAL PROOF PU AQUA diluted with water 20% and allow to dry for 24 hours.
- » Apply crosswise in one or 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: 1-2 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, in 4Kg and 25Kg 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	<0.1 kg/m2h0.5
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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