

# Total Proof™ Pu-S



ETA EOTA



**THINNING**  
0%



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



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



**DRYING**  
1 - 2 hours

Polyurethane waterproofing  
membrane for roofs

» **Excellent adhesion and resistance to mechanical, thermal, chemical stress**

» **Suitable for demanding applications**

» **Very good elasticity**

KRAFT TOTAL PROOF PU-S is a brushable, elastic, one-component solvent-based polyurethane membrane, which dries in the atmosphere humidity. It provides long-lasting waterproof and protection to construction surfaces. It is suitable even for the most demanding applications on roofs, balconies and under tiles. It forms a very elastic, seamless membrane without joints. It features excellent adhesion to all substrates with the use of a suitable primer, as well as resistance to mechanical, thermal and chemical stress. It maintains its mechanical properties at temperatures from -30°C to +90°C. Thanks to its polyurethane formula is not hydrolyzed and is very resistant to stagnant water and frost. The surface is allowed to be used when a suitable protective material is applied, like KRAFT TOTAL PROOF TOP COAT. It meets all standards and has been tested according to the European standard ETAG 005 by EOTA (ETA 16/0484).

#### A/i (SB) One-pack performance coatings.

- VOC Limit Value: 500g/L.
- Maximum VOC concentration of the ready to use product: 499 g/L

#### TECHNICAL DATA

Density ISO 2811 @ 25°C	1.39 g/mL (±0.02)
Viscosity ASTM D 562-05 @ 25°C	80 – 100 KU
Total consumption as waterproofing membrane	1.2-1.5kg/m <sup>2</sup> *
Adhesion ASTM D 903	>1.8 N/mm <sup>2</sup> *
Elongation at break (%) ASTM D412	>900
Tensile strength ASTM D412	>3.6MPa
Shore Hardness (A) ASTM D2240	65
Water absorption EN 1062-3	0.05Kg/m <sup>2</sup> h <sup>0.5</sup> (Class W3)
Water Vapour Permeability EN 7783-2	<6.0m (Class V2)
Working life	W3 (25 years)
Climatic Zones	M and S
Imposed loads	P1 – P4
Roof Slope	S1-S4
Storage stability	9 months

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

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Polyurethane 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 5%. Remove all previous paints, moss, fungi and algae by mechanical abrasion.
- » Surfaces of fresh concrete, cement and plaster should be left to dry for at least 4 weeks before applying KRAFT TOTAL PROOF PU-S.
- » Fill in joints, cracks and damaged parts using a suitable KRAFT sealant and/or repair material.
- » On porous substrates (concrete, cement, etc.) apply one coat of KRAFT TOTAL PROOF PU PRIMER undiluted and allow to dry.
- » On non-porous substrates (bituminous membranes, ceramics, tiles, terrazzo, metals, etc.) apply one coat of KRAFT EPOXY FLOOR PRIMER AQUA Transparent and allow to dry.
- » Apply KRAFT TOTAL PROOF PU-S 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 12-18 hours but not later than 48 hours.
- » To protect the KRAFT TOTAL PROOF PU-S membrane, apply one or two coats of KRAFT TOTAL PROOF TOP COAT with a roller, a brush, an air-assisted or an airless spray gun without thinning. Apply the second coat after 7 hours.
- » On difficult areas apply thicker or more coats. You can use 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: 12-18 hours.
- » Stir well before and during application with a stirring drill at low speed.
- » Do not apply at temperatures below 5°C or above 35°C and at a relative humidity 65% or higher.
- » The membrane is fully durable not earlier than 7 days after application, at normal temperature and relative humidity, and the surface can be used after 24 hours.
- » In case of expected rain, avoid applying in the next 4 hours.

## AFTER USE INSTRUCTIONS

- » Clean the tools and remove product residues immediately after use with KRAFT NITRO SOLVENT 1100.

## PACKAGING

Available in White, in 6Kg 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 sealed containers at temperatures between 5°C and 30°C, in a dry place for no longer than 9 months after production date. Keep containers protected from humidity and sunlight.

	
<b>DRUCKFARBEN HELLAS SA</b> Megaridos Ave. 19300 Aspropyrgos	
<b>16</b>	
<b>DoP: 01-1220-2</b> <b>ETA 16/0484 ETAG005, PART 6</b> <b>Liquid applied roof waterproofing system on the basis of polyurethane for use on roofs, terraces and balconies</b>	
Reaction to fire	Class E
Resistance to wind loads	>50kPa
Working life	W3
Climatic zones	M and S
Imposed loads	P1 to P4
Roof slope	S1 to S4
Statement of dangerous substances	NPD

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

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**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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