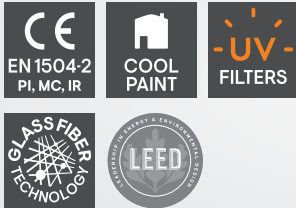


# Total Proof® Polyurea AL



**THINNING**  
0-5% with  
NITPO 2000



**CONSUMPTION**  
1,0-1,5 Kg/m<sup>2</sup>



**TOOLS**  
Brush, roller,  
or airless gun



**DRYING**  
3 hour



**MIX**  
66A : 34B

High performance 2K cold-applied elastomeric waterproofing aliphatic polyurea membrane

- » Versatile innovative formula
- » Maintains its elasticity in a wide temperature range
- » High performance mechanical properties
- » Unique resistance to weather conditions

- » No impact from UV radiation
- » High whiteness, maintained for years
- » Extreme resistance to mechanical strains
- » Waterproof and extreme resistant to stagnant water

**Total Proof® Polyurea AL** is a 2-component cold-applied elastomeric waterproofing aliphatic polyurea membrane, for long-term protection of building surfaces. Its composition is based on polyaspartic resins, while it is reinforced with glass fibers to create a uniform film with excellent mechanical resistance, and UV filters for extreme protection from solar radiation, creating a waterproof

& joint-free, elastic membrane. It is unaffected by UV radiation, maintaining its whiteness and properties for many years. It is evaluated as a cold material by the NTUA contributing to energy savings, limiting air conditioning loads during the summer and has a CE marking according to the **EN1504-02** standard for surface protection.

A/j (SB) Two-pack reactive performance coatings.

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

# Total Proof® Polyurea AL

High performance 2K cold-applied elastomeric waterproofing aliphatic polyurea membrane

## DIRECTIONS FOR USE

**Total Proof® Polyurea AL** is used as a roof waterproofing membrane. It has excellent whiteness and adhesion to horizontal surfaces made of concrete, cement mortar, etc. while it does not chalks and seals cracks since it has excellent elasticity and resistance to intense temperature changes. It is suitable to be used:

- As an exposed layer on concrete or cement slab roofs
- As a protective layer over mosaic or cement mortar
- On rooftops and underground exterior walls
- On metallic surfaces
- On bitumen membranes
- On PVC-type synthetic membranes
- Directly on new or old polyurethane membranes
- For polyurethane foam protection
- As a top-coat over **Total Proof® Polyurea AR** for enhanced UV protection and higher whiteness

TECHNICAL DATA	
Binder Type	A comp: Aspartic acid ester B comp: Aliphatic diisocyanates
Mixing Ratio (A+B) w/w	66 A : 34B
Drying time @ 25oC	3h
Curing Time	7 days
POT life @ 25oC	~1h
Consumption per layer	0,500 – 0,750 kg/m <sup>2</sup>
Density ISO 2811 @ 25 °C	1,49 g/mL (±0,05) (A+B)
Solids Content w/w ISO 3251-03	79,5% (±2) (A+B)
Viscosity ASTM D 562-05 @ 25°C	80KU (±15) (A+B)
Application Viscosity ASTM D 562-05 @ 25°C	70KU (±15)
Elongation at break EN ISO 527	>280%
Tensile Strength EN ISO 527	>9,5MPa
Hardness SHORE A ASTM D2240	80 (±5)
Hardness SHORE D ASTM D2240	40 (±5)
Accelerated weathering UVA+ condensation/2000h EN 1062-11	Blistering: 0(S0) Cracking: 0(S0) Flacking: 0(S0)
Temperature variations resistance	-35°C – 90°C
Total solar reflectance TSR ASTM G173-03	0,88
Thermal emittance coefficient	0,86
Reflectance in the near infrared radiation RNIR, ASTM G173-03	0,91
Solar reflectance index SRI ASTM E1980-01	110

## According to EN1504-2

Adhesion EN1542	≥ 1,5 N/mm <sup>2</sup>
Capillary absorption and permeability to water EN1062-3	w < 0,1 kg/m <sup>2</sup> · h <sup>0,5</sup>
Permeability to CO2 EN1062-6	Sd>50 m
Permeability to water vapor EN ISO7783	Sd<0,8 m
Reaction to Fire EN13501-1	E

# Total Proof® Polyurea AL

High performance 2K cold-applied elastomeric waterproofing aliphatic polyurea membrane

## DIRECTIONS FOR USE

**1. SUBSTRATE - PREPARATION:** Ensure even, clean, solid, free from stagnant water, humidity (<4%), 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. Both on absorbent (e.g. concrete, cement, old tiles, etc.) & non-absorbent substrates (e.g. glossy tiles, mosaics, asphalt, etc.) prime with the **Transparent Epoxy Aqua Floor Primer**. On metallic surfaces apply one day earlier, **Epoxy Aqua Anti-Rust Primer**.

**2. MIXING:** Components A and B are available in containers with a standard mixing ratio. Component B is added completely into the component A container. Mixing of two components for about 2 minutes ensures the homogeneity of the mixture. Avoid overmixing

to prevent entrapping air.

**3. APPLICATION:** After proper preparation and priming of the substrate, **Total Proof® Polyurea AL** is applied in two layers crosswise by brush, roller, or airless gun. Surface drying time approx. 3 hours at 25°C and 50% relative humidity. The drying time between layers is approximately 16 - 24 hours (for 20-25°C). For severe cracks apply 3 coats of **Total Proof® Polyurea AL**, using locally and in between the first and second coats and when they are still fresh, the polyester tape **Total Proof® Tape 60**. After the second coat has dried, apply the third and final coat crosswise. **Total Proof® Polyurea AL** can also be used as a final 2nd or 3rd coat over **Total Proof® Polyurea AR** for enhanced weather resistance and extra whiteness.

## PACKAGING-SHADE-SPREADING RATE

Available in White in the following packaging and spreading rate.

SET A + B	SUM kg	max m <sup>2</sup>
A COMP. 3,25kg + B COMP. 1,67kg	4,92	5
A COMP. 9,75kg + B COMP. 5,00kg	14,75kg	15
A COMP. 16,25kg + B COMP. 8,32kg	24,57kg	25

# Total Proof® Polyurea AL

High performance 2K cold-applied elastomeric waterproofing aliphatic polyurea membrane

## HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

FOR PROFESSIONAL USE ONLY.

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:

+30 210 7793777

## 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

 1020	<b>Druckfarben Hellas S.A.</b> <b>Megaridos Ave., Kallistiri area,</b> <b>GR-19300 Aspropyrgos, Greece</b>
<b>24</b> DoP No 04.14 <b>Total Proof® Polyurea AL (2K)</b> <b>EN 1504-2:2024</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>D</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>
Artificial weathering test (blistering / cracking / laking)	0(SO) / 0(SO) / 0(SO)
Dangerous substances	See SDS

### COMPANY CERTIFIED BY

- ✓ ISO 9001
- ✓ ISO 140001
- ✓ ISO 50001
- ✓ ISO 45001

09/2024 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website [www.kraftpaints.com](http://www.kraftpaints.com), as well as after contacting the 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 failures after using the product.

### DRUCKFARBEN HELLAS S.A.

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