

# TECHNICAL DATA SHEET

## ELASTA-THANE 25

**A novel, all weather rapid curing, single component polyurethane liquid membrane for waterproofing and protection based on Humidity-Activated-Accelerator,**

### DESCRIPTION:

Elasta-Thane 25 is a unique single component polyurethane liquid membrane, based on the successful combination of membrane and accelerator which provides applicators with a solution for a fast curing, bubble free thick layer membrane. It is formulated with the accelerator incorporated in a blocked fashion, which, upon contact with humidity is released and self-accelerates the curing of the material.

Due to its unique formulation, it cures rapidly to form a completely defect free membrane with excellent mechanical and elastomeric properties. This product is ideal for use during the winter months or in climates with relatively low humidity. Furthermore, the fact that the minimum consumption can now be achieved in only one coat, reduces labour cost and eliminates problems such as short working time or problems associated with multilayer coats adhesion failure.

### COMPLIANCE:

The product complies with the EU guideline for this type of materials, EOTA (European Organization of Technical Approval).

Current product is awaiting ETAG assessment certification.

### RECOMMENDED FOR:

Waterproofing and protection of:

- Gypsum and cement boards,
- Polyurethane insulation foams,
- Verandas and balconies,
- Roofs,
- Light roofing made of metal or fibrous cement,
- Asphalt membranes,
- EPDM membranes.

### LIMITATIONS:

Not recommended for:

- Unsound substrates,
- Waterproofing of swimming pool surfaces in contact with chemically treated water.
- **Primer usage is necessary**, please refer to primer selection table or contact our technical department.

### APPLICATION PREREQUISITES:

**Can be successfully applied on:**

Concrete, fibrous cement, mosaic, cement roof tiles, old (but well adhered) acrylic and asphalt coats, wood.  
For information about other substrates, please contact our tech department.

**Concrete substrate conditions (standard):**

- Hardness: R28 = 15Mpa.
- Humidity: W < 10%.
- Temperature: 5-35°C.
- Relative humidity: < 85%.

**Primer selection for special conditions and substrates:**

Please refer to the Primer Selection Table.

**APPLICATION PROCEDURE:**

Clean the surface using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must be removed. Fill surface irregularities with suitable product.

**Priming:**

Apply the required primer following the guidelines in the Primer Selection Table.

**Mixing:**

Use a low speed (300 rpm) mixer.  
Add SOLVENT- 01 5-10% for application by spraying.

**Application:**

Apply the material with roller, brush or airless spraying in one or two, coats. Do not exceed 48 hours between coats. If more time passes (for example more than 4 days), or if you are unsure of the interlayer adhesion, please contact our technical department.

**IMPORTANT APPLICATION NOTES**

- Under no circumstances are Primers or Topcoats to be applied at temperatures below 5°C.
- It is essential that all Primers and Topcoats are allowed completely dry before over-coating.
- Drying time will depend on the local climatic conditions, and the lower the ambient and surface temperature, the greater will be the drying time. (Can be between 2 hours and 2 days.)
- Applicators must physically check before continuing
- **DO NOT APPLY UNLESS DRY**

**COVERAGE:**

Approx. 1.5kg/m<sup>2</sup> per coat depending on substrate..

**PACKAGING:**

25KG DRUMS

**CLEANING:**

Clean tools and equipment first with paper towels and then using SOLVENT-01. Rollers will not be re-usable.

**SHELF LIFE:**

Can be kept for a maximum of 12 months, in the original unopened pails, in dry environment and at temperatures of 5-25 °C. Once a pail has been opened, the contents must be used as possible.

**PRECAUTIONS:**

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces, use ventilators and carbon active masks. Note that solvent vapours are heavier than air so they creep along the floor. The MSDS (Material Safety Data Sheet) is available on request.

**PRIMER SELECTION TABLE**

Substrate type and condition	Elasta-Thane Super Seal Primer	Elasta-Thane Rapid Cure Primer	Elasta-Thane Universal Primer
<b>Humid</b>	X		X
<b>Porous</b>	X	X	X
<b>Humid and porous</b>	X		X
<b>Non-porous</b>			
glass & glassy tiles	X		X
metals	X		X
marble	X		X
mosaics	X		X
industrial floors	X		X
<b>PU membranes</b> (between coats)	X		X
<b>Asphaltic</b>	X		X
<b>Wood</b>	X	X	X

**Further Information:**

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.



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