



# Dura-Walk<sup>®</sup> Thix Membrane

## **FEATURES AND BENEFITS**

- Highly flexible
- Excellent crack-bridging properties even at extremely low temperature (-20°C)
- Easy to apply
- Very high impact and static puncture resistance
- Withstands limited stress and movements in the substrate
- Solvent free
- Application is possible even at temperatures from 0°C to +30°C
- Good adhesion between layers due to chemical bonding
- Quick application and curing times. Next layers can be applied within 1 hour

## **PRODUCT INFORMATION**

### ***DESCRIPTION***

Dura-Walk Thix Membrane is a high viscous, urethane-modified system based on Methacrylate. To initiate curing, just add Dura-Walk Catalyst.

Dura-Walk Thix Membrane is a thixotropic membrane for detail connections.

### ***USAGE***

Dura-Walk Thix Membrane is designed as the waterproofing layer for balconies and walkways prior to the coloured top coat or other surface finishing. It can be used over concrete, wood or roofing grade mastic asphalt. Suitable primers, if necessary must be used.

### ***PACKAGING***

5 kg and 25 kg metal pails

### ***NOTE***

The processing time/pot life after adding the Dura-Walk Catalyst varies between 10 and 15 minutes, depending upon the temperature and the quantity of the Catalyst.

## **TECHNICAL INFORMATION**

### ***TECHNICAL CHARACTERISTICS (LIQUID STATE)***

Density at 25°C:	1.36 g/ml	ISO 2811
Viscosity at 25°C:	4000 mPa * s	DIN 53018
Flash point:	+ 11.5°C	ISO 1516
Pot life at 20°C:	approx. 15 min.	
Curing time at 20°C:	approx. 60 min.	
Colour:	Light grey	

### ***TECHNICAL CHARACTERISTICS (SOLID STATE)***

#### **Samples tested at +23°C**

Tensile strength:	6.7 MPa	ISO 527
Elongation:	320 %	ISO 527
Abrasion 1000 cycles:	64 mg	ISO 7784-2
Modulus of elasticity:	65 MPa	ISO 527
Dynamic crack-bridging:	> 5 mm	BPG
Shore A hardness:	95	DIN 53505
Shore D hardness:	55	DIN 53505

#### **Samples kept at -20°C for 24 hours prior to testing**

Tensile strength:	7.1 MPa	ISO 527
Elongation:	340 %	ISO 527
Modulus of elasticity:	460 MPa	ISO 527
Dynamic crack-bridging:	> 5 mm	BPG

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

## **USAGE GUIDELINES**

### ***SUBSTRATE PREPARATION***

The area to be waterproofed must be dry, free from dust, fats and oil and must be solid. Laitance and loose particles must be completely removed.

Before the application of Dura-Walk Thix Membrane, a suitable primer must be applied.

For further details, see our Application Manual for Dura-Walk Balcony Systems.

# Dura-Walk® Thix Membrane

## MIXING

Prior to use, Dura-Walk Thix Membrane must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Dura-Walk Thix Membrane is thoroughly mixed together with the Dura-Walk Catalyst in accordance with the below guidelines. It should be noted that the amount of catalyst powder to be added depends upon the ambient temperature.

at 30°C	add 1% by weight of catalyst
at 20°C	add 2% by weight of catalyst
at 10°C	add 4% by weight of catalyst
at 0°C	add 6% by weight of catalyst
below 0°C	add 6% by weight of catalyst and additionally add an accelerating agent, Dura-Walk Accelerator.

Please contact our Technical Service Department for further details.

Note: Weight to Volumetric conversion of Catalyst.  
1 cm<sup>3</sup> of Dura-Walk Catalyst weighs 0.64 g  
1 g of Dura-Walk Catalyst = 1.57 cm<sup>3</sup>

## APPLICATION

For wall connections, the following application method is recommended: Apply Dura-Walk Thix Membrane with a roller or a paintbrush. Embed reinforcement fabric in the wet layer, allow to cure and when fully cured apply a second layer of Dura-Walk Thix Membrane. This layer must be minimum 2 cm wider than the embedded fabric.

## CONSUMPTION

Please refer to the product build-up sheets or the bespoke Garland specification.

## CLEANING

Clean tools immediately after use with Dura-Walk Cleaner.

## STORAGE

Store in a cool dry place and in original packaging and away from direct sunlight. Optimal storage temperature is between 15 - 20°C. the packaging.

## HEALTH AND SAFETY PRECAUTIONS

Please refer to the Safety Data Sheets for the products used.

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Dura-Walk Thix Membrane.

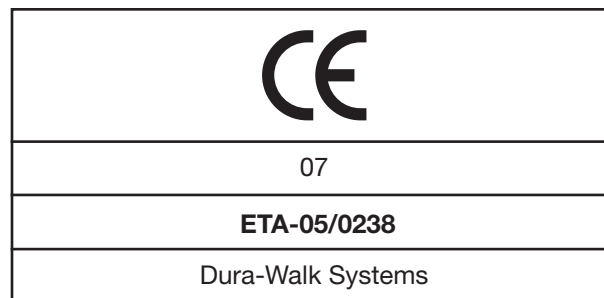
In case of contact with eyes rinse immediately for a long period of time and consult a physician. In case of contact with skin clean immediately with water and soap.

Dura-Walk Thix Membrane is highly flammable; keep away from

heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions.

For further information see our Material Safety Data Sheet.

## CE CERTIFICATION



Revised: 17.12.2018