



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

Dura-Walk Membrane is a liquid, easy to apply waterproofing membrane..

### USAGE

Dura-Walk 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

13 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:	300-400 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:	7.4 MPa	ISO 527
Elongation:	340 %	ISO 527
Abrasion 1000 cycles:	64 mg	ISO 7784-2
Modulus of elasticity:	88 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:	7.8 MPa	ISO 527
Elongation:	310 %	ISO 527
Modulus of elasticity:	615 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 Membrane, a suitable primer must be applied.

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

#### MIXING

Prior to use, Dura-Walk Membrane must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Dura-Walk 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>

# Dura-Walk® Membrane

## **APPLICATION**

Dura-Walk Membrane is applied using a toothed trowel or notched rubber squeegee.

The next step of the application depends on the system used (see our System Build-up Sheets).

## **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 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 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**


07
<b>ETA-05/0238</b>
Dura-Walk Systems

Revised: 17.12.2018