

Dura-Systems Membrane DS-200

Technical Data Sheet



Product Description

Dura-Systems Membrane is a polyurethane modified, thixotropic methacrylate resin system that is suitable for creating watertight membranes on a wide variety of substrates. The formulation Dura-Systems Membrane can also be used for coating on rising or very steeply inclined surfaces.

Features:

- ✓ Highly flexible
- ✓ Good crack bridging
- ✓ Very easy to apply
- ✓ Application even at low temperatures
- ✓ Very good intercoat adhesion
- ✓ Quickly treatable

Application

Dura-Systems Membrane is a urethane modified medium viscosity or thixotropic membrane resin based on an acrylic resin. Dura-Systems Membrane is supplied ready-filled and pigmented. The addition of the Dura-Systems Catalyst triggers curing. Properly cured Dura-Systems Membrane creates a highly flexible, crack-bridging membrane layer that retains its flexibility even at very low temperatures.

Dura-Systems Membrane can be applied in the temperature range from 0°C to +30°C.

For further application information please refer to specific specifications provided by your Garland Technical Manager

Preparation of the substrate

The surface to be coated must be solid, dry, free of dust, grease and oil, as well as firm. Cementitious surfaces may be prepared e.g. by shot-peening. Before applying the Dura-Systems Membrane, always prime the substrate appropriately, possibly including scattering loosely with natural sand of grain size 0.7 – 1.2 mm. Observe the relevant product data sheets on the processing of the primer.

Before application, stir the container in which the product is supplied thoroughly to distribute the paraffin evenly and ensure that the material hardens reliably. The amount of Dura-System Catalyst to be added depends on the temperature. Please refer to the table "Catalyst dosages" for the relevant values.

If you require any further information please contact your local Garland Technical Manager.

Technical Characteristics (Liquid State)

Property	Value	Method
Viscosity	300-500 mPa	DIN 53015
Density D420	0.99g/cm ³	DIN 51757
Flash Point	10°C	DIN 51755
Pot Life	Approx. 15 min	(20°C, 100g, 2% catalyst)
Processing Temperature (substrate temperature)	+0°C to +30°C	
Packaging	25kg Metal Pail	



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Guideline Recipe

Component	Guideline recipe (% by weight)	Comments
Dura-Systems Membrane	100%	Average consumption 1.3kg/m ² per mm thickness (Total 2.8kg/m ²)
Dura-Systems Catalyst	1-6%	Refer to Dura-Systems Catalyst Dosages table

Catalyst Dosages

Temperature	Dura-Systems Catalyst (%)	Pot life (min)	Hardening time (min)
+0°C	6	20	80
+10°C	4	15	60
+20°C	2	15	60
+30°C	1	8	40

Safety advice

Wear suitable protective clothing (gloves and goggles) when applying. Avoid contact with the eyes and skin. For further information, please refer to the safety data sheet

Shelf life

6 months if stored in the unopened original container in a cool (< 25 °C), dry and frost-free location. The optimal storage temperature is +15 °C to +20 °C. Do not expose to direct sunlight.

Disposal

Fully hardened material can be disposed of as domestic refuse.

Recycle completely empty containers

Dispose of liquid material as waste paint that contains solvents or other dangerous substances.

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