

Dura-Systems Concrete Primer DS-050

Technical Data Sheet



Product Description

Dura-Systems Concrete Primer is a medium viscosity, colourless solvent-free 2 component methacrylic resin that cures rapidly even at low temperatures if hardener is added. Its viscosity makes Dura-Systems Concrete Primer suitable for priming vertical and absorbent substrates with sufficient strength.

Application

Dura-Systems Concrete Primer is used as an adherent primer on concrete and cement substrates.

After initial inspection the substrate will normally require pre-treatment.

The necessary quantity of the catalyst must be adjusted depending on the ambient temperature. Please see below table for exact quantities.

You must not dose less than the given quantity of catalyst as this will jeopardise the curing process. You must also avoid overdosing the catalyst as this can also lead to curing issues.

If the pot life, within which good penetration of the substrate is guaranteed, is to be observed, appropriate batch quantities should be estimated. The material must be applied as soon as the catalyst has finished dissolving in the resin components.

Dura-Systems Concrete Primer must be applied evenly without leaving puddles using a paint roller or brush. If rubber blades are used the surface must always be rolled with a paint roller afterwards. Matt and heavily absorbent patches must be reprimed when wet before hardening until the pores are closed up. Resin consumption is about 0.5 kg/m².

Dura-Systems Concrete Primer must be completely cured before any further coat is applied.

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

Technical Characteristics (Liquid State)

Property	Value	Method
Viscosity	270-330 mPa	DIN 53015
Density D420	0.98 g/cm ³	DIN 51757
Flash Point	10°C	DIN 51755
Pot Life	Approx. 12 min	(20°C, 100g, 2% catalyst)
Processing Temperature (substrate temperature)	+5°C to +30°C	
Packaging	10kg Metal Pail	

Technical Characteristics (Cured State)

Property	Value	Method
Density	DIN 53479	1.16 g/cm ³
Ultimate elongation	DIN 53455	7%
Water absorption, 4 days	DIN 53495	125 mg (50 · 50 · 4 mm)



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Guideline Recipe

Component	Guideline recipe (% by weight)	Comments
Dura-Systems Membrane	100%	Average consumption 0.5kg/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)
+5°C	6	15	50
+10°C	5	15	40
+20°C	3	12	35
+30°C	2	12	30

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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