

Elastocoat® C 6441/118

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Application

Solvent free, non-pigmented, filler containing 2 component polyurethane system intended as a self-levelling and degassing coating for load bearing concrete floors in industrial plants, warehouses etc.

Chemical Characteristics

Polyol-component: Preparation based on: Polyol, filler, additives
Iso-Component: Preparation containing: IsoPMDI 92140

Supply

The type of supply for the components will be decided after consultation with our Sales Office.

Storage, Preparation

Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed containers. The A-component (Polyol) must be homogenized by basic stirring before processing. More detailed information should be obtained from the separate data sheet entitled "Information for in-coming material control, storage, material preparation and waste disposal" and from the component data.

Possible Hazards

The B-component (Isocyanate) irritates the eyes, respiratory organs and the skin. Sensitization is possible through inhalation and skin contact. MDI is harmful by inhalation. On processing these, take note of the necessary precautionary measures described in the Material Safety Data Sheets (MSDSs). This applies also for the possible dangers in using the A-component (Polyol) as well as any other components. See also our separate information sheet "Safety- and Precautionary Measures for the Processing of Polyurethane Systems." Use our Training Programme "Safe Handling of Isocyanate."

Waste Disposal

More detailed information is provided in our country-specific pamphlet.

Consumer articles, medical products

There are national and international laws and regulations to consider if it is intended to produce consumer articles (eg articles that necessitate food or skin contact, toys etc.) or medical objects out of BASF products. Where these do not exist, the current legal requirements of the European Union for consumer articles as well as medical products should be sufficient. Consultation with our Sales Office and our Ecology and Product Safety Department is strongly recommended.

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Component Data

	Unit	Polyol-Comp.	Iso-Comp. IsoPMDI 92140	Method
Density (20 °C)	g/cm ³	1,37	1,24	G 133-08
Viscosity (25 °C)	mPa·s	6000	210	G 133-07
Shelf life (as of production date)	days	360	180	

Typical Processing Data

Cup test

	Unit	Value	Method
Component temperature	°C	23	
Mixing ratio	Parts by weight	100 : 33 (Polyol comp : Iso. comp.)	
Mixing time	s	10	
Geltime	s	2800	G 132-01

Application guideline

Time of processing at 23 °C, component and environmental temperature	min	20	
Lowest possible processing temperature	°C	+5	
Tackfree time under standard climatic conditions, thickness > 0,5 mm	min	180	

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Typical Physical Properties

	Unit	Value	Method
Density	g/l	1380	DIN ISO 1183-1
Hardness	Shore D	70	DIN ISO 7619-1
Tensile strength	MPa	26	ISO 527
Elongation at break	%	6	
Tear resistance	N/mm	27	DIN 53515
The mechanical properties were measured by use of test specimens which were stored for 28 days under standard climatic conditions.			
Note: The tone of the coating will change under the influence of UV-light.			

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