Technical Data Sheet

Elastocoast® 6551/103

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Application

Solvent free, two component Polyurethane coating to reinforce gravels, discoloration by weathering might accur.

Chemical Characteristics

Polyol-Component: Preparation based on: polyol, additives
Iso-Component: Isocyanic acid, polymethylenepolyphenylene ester (P-MDI) = 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 homogenised 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. Sensitisation 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 (e.g. 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.

Component Data

Characteristics	Unit	Polyol-Comp.	Iso-Comp.	Method
Density (25°C)	g/cm³	1.05	1.23	G 133-08
Viscosity (25°C)	mPa·s	2800	200	G 133-07
Shelf-life	months	9	6	

Typical Processing Data

Machine Processing

Characteristics	Unit	Value	Method
Mixing ratio	parts by weight	Polyol-Comp. = 100 : Iso-Comp. = 65	
Time of processing at 23 °C	min.	20	
Recommended processing temperature			
Polyol-Component	°C	10 - 30	
Isocyanate-Component	°C	10 - 30	

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Typical Physical Properties

Characteristics	Unit	Measured value	Method
Hardness	Shore D	75	DIN ISO 7619-1
Tensile strength	N/mm²	38	DIN EN ISO 527
Elongation	%	50	
Tear strenght	N/mm	81	DIN 53515
Density	g/cm³	1.1	DIN 53420

The mechanical properties were measured by use of test specimen which were casted by hand stored for 28 days under standard climatic condition.

BASF Polyurethanes GmbH
Postfach 1140
49440 Lemförde
Germany

Tel.: +49 (0) 5443/12-0
Fax: +49 (0) 5443/12-2020
Mail: pu-spezialsysteme@basf.com
Internet: www.pu.basf.eu