

Technical Data Sheet



Elastopave® 6551/102

Page 1 / 4
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Application

Solvent free, two component Polyurethane coating for outdoor applications to reinforce gravels, discoloration by weathering might occur. Mixing ratio could be 100:84 or 100:65 depending on kind of application. Suitability must be examined by the user prior to commercial use.

Intended use: Synthetic resin screed material

Chemical Characteristics

Polyol-Component: Preparation based on: polyol, additives
Iso-Component: 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 (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.

Component Data

Characteristics	Unit	Polyol-Comp	Iso-Comp.	Method
Density (25°C)	g/cm ³	0.99	1.23	G 133-08
Viscosity (25°C)	mPa·s	1350	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. = 84 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	

Typical Physical Properties

Characteristics	Unit	Measured value	Method
Hardness	Shore D	72	DIN 53505
Tensile strength	N/mm ²	32	DIN EN ISO 527
Elongation	%	40	
Tear strength	N/mm	40	DIN 53515
Density	g/cm ³	1.1	DIN 53420

The mechanical properties were measured by use of test specimen which were casted by hand (Mixing ratio 100:84) stored for 28 days under standard climatic condition.

CE Marking:



BASF Polyurethanes GmbH

Elastogranstrasse 60, D-49448
Lemförde, Germany

16

DoP-No.: **DE27-0005-01-CPR-16**

www.elastopave.eu/dop

EN 13813:2002

Synthetic resin screed material

Reaction to fire - **NPD**

Release of corrosive substances - **SR**

Water permeability - **NPD**

Wear resistance - **AR0,5**

Bond strength - **B2,0**

Impact resistance - **IR4**

Impact sound insulation - **NPD**

Sound absorption - **NPD**

Physical Properties declared in the CE Marking:

Property	Elastopave 6551/102	Standard
Reaction to fire	No performance declared (NPD)	EN 13501-1
Release of corrosive substances	SR	EN 13813
Water permeability	No performance declared (NPD)	EN 1062-3
Wear resistance	AR0,5	EN 13813
Bond strength	B2,0	EN 13813
Impact resistance	IR4	EN ISO 6272
Impact sound insulation	No performance declared (NPD)	EN ISO 140-6
Sound absorption	No performance declared (NPD)	EN 12354-6

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BASF Polyurethanes GmbH
Postfach 1140
49440 Lemförde
Germany

Tel.: +49 (0) 5443/12-0
Fax: +49 (0) 5443/12-2474
Mail: pu-hartschaum@basf.com
Internet: www.pu.basf.eu