

## Technical Data Sheet

# Elastocoat® C 6335/101

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Elastogran



■ BASF Group

### Application

High reactive 2 component polyurea spray elastomer for covering of mineral and metallic surfaces.

### Chemical Characteristics

**Polyol-Component:** Mixture of isocyanat reactive amines  
**Iso-Component:** Preparation containing diphenylmethane-diisocyanate (MDI) = Iso136/75

### 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 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.

### Processing

For processing follow the information provided by our technical adviser.

### 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 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 Elastogran's 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 the Elastogran Sales Office and our Ecology and Product Safety Department is strongly recommended.



### Component Data

	Unit	Polyol-Comp	Iso-Comp.	Method
Density (25 °C)	g/cm <sup>3</sup>	1.00	1.11	DIN 51757*)
Viscosity (25 °C)	mPa·s	220	800	DIN 53018*)
Storage temperature (20 – 25 °C)	months	6	6	
*) Test procedure according to DIN ....				

### Processing Data

#### Machine Processing

	Unit	Value	Method
Mixing Ratio:	parts by weight	A = 100 B = 112	
	Parts by volume	A = 100 B = 100	
Pot life (25 °C)	s	4 - 6	
Processing temperature			
Component A	°C	70 - 80	
Component B	°C	70 - 80	
Recommend processing pressure			
Component A	bar	120 - 200	
Component B	bar	120 - 200	



### Physical Properties

	Unit	Measured value	Method
Density	kg/m <sup>3</sup>	1000	DIN 53420
Hardness	Shore A	92 - 95	DIN 53505
	Shore D	40- 46	
Flammability		B3	DIN 4102, Teil 1
Tensile strength	N/mm <sup>2</sup>	21	DIN 53504
Elongation	%	425	
Tension at 100% Elongation 300% Elongation	N/mm <sup>2</sup>	12.4 15.2	
Tear strenght	N/mm	58	DIN 53515
Flexural strength 5% deflection 10% deflection	N/mm <sup>2</sup>	6.3 6.9	DIN ASTM D790
Taber abrasion	mg	140	DIN 53516
Adhesion - Concrete (with primer) Steel (without primer)	N/mm <sup>2</sup>	2.5 6.5	DIN EN ISO 4624
Water vapour permeability	g mm/(m) <sup>2</sup> (24h)	16.5	DIN 53122
Methane permeability	cm <sup>3</sup> mm/(m) <sup>2</sup> (24h)	50	DIN 53380

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