

Elastocoat® C 6325/125/7042

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Application

2 component polyurethane system hybrid spray elastomer for the protection of various substrates such as concrete bridge decks, steel bridge decks, bridge piers, bridge service ducts and culverts, protected roof specification, including green roof and roof garden specifications (on flat and pitched roofs including those with zero pitch), reservoirs, sewage processing, holding tanks, secondary containment protection.

Chemical Characteristic

A-component	Elastocoat® C 6325/125/7042 - Polyol-Component mixture of Aminepolyol, polyetherpolyol, additives, stabilizer, catalyst
B-component	Iso 136/186 - Polymeric diphenylmethane diisocyanate

Supply

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

Handling and Storage

Polyurethane components are sensitive to moisture. They must therefore always be stored in tightly sealed containers.
Safety-relevant information can be found in the safety data sheets of the components.
See section No. 7: Handling and Storage

Hazards Identification

Information on possible hazards in handling of the components, can be found in the safety data sheets.
See section No. 2: Hazards Identification

Disposal Considerations

Information on disposal can be found in the safety data sheets of the components.
See section No. 13: Disposal Considerations

Regulatory Information

Regulatory information can be found in the safety data sheet of the components.
See section No. 15: Regulatory Information and section No. 16: Other Information

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Component Data

Characteristic	Unit	Data	Test Method
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Component		A	
Product Description		Elastocoat® C 6325/125/7042	
Density (25°C)	kg/m³	1000	G 133-08
Viscosity (25°C)	mPa s	800	G 133-07
Shelf Life - as of production date	d	180	

Component		B	
Product Description		Iso 136/186	
Density (25°C)	kg/m³	1100	G 133-08
Viscosity (25°C)	mPa s	1000	G 133-07
Shelf Life - as of production date	d	180	

Typical Processing Data

Handmix not possible, results are machine processed values.

Characteristic	Unit	Data	Test Method
Gel time	s	10	G 132-01

Machine processing- Processing with a high pressure metering machine (exemplary values)

Characteristic	Unit	Data	Test Method
Mixing ratio A:B	pbw	100 : 77	
Mixing ration A:B - volumetric	pbv	100 : 70	
Tack free time	s	60	
Processing-temperature - A-Component	°C	70	
Processing-temperature - B-Component	°C	70	
Processing Pressure - Component	bar	150	
Density - Machine	g/cm³	1030	DIN EN ISO 1183-1,A

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Typical physical properties

The mechanical properties were measured by use of test specimens which were sprayed with a 2 component machine and stored for 7 days under standard climatic conditions.

Characteristic	Unit	Data	Test Method
Density	kg/m³	1030	DIN EN ISO 1183-1,A
Hardness	Shore A	85	DIN ISO 48-4
Tensile strength	N/mm²	17	DIN EN ISO 527
Elongation at break	%	570	DIN EN ISO 527
Tear resistance	N/mm	30	DIN ISO 34-1, B (b)
Abrasion	mm³	235	DIN ISO 4649

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1119	
BASF Polyurethanes GmbH, PO Box 1140, 49440, Lemförde, Germany	
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1119 – CPD - CE2+4 EN 1504-2	
surface protection products	
coating	
Impact resistance:	Class III
Adhesion strength by pull off test:	≥ 2,0
Capillary absorption and permeability	< 0,1
Resistance to severe chemical attack Test liquid: 3,9,10	Class I
Permeability to CO ₂	> 50
Abrasion resistance	< 3
Permeability to water vapour	Class I
Dangerous substances comply with 5.4	

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