

Technical Data Sheet



We create chemistry

Elastocoat® C 6441/118

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Application

The two-component, solvent-free, non-pigmented polyurethane system may be used for various industrial applications, particularly as a self-leveling and degassing coating for load-bearing concrete floors. This advanced coating technology is formulated to provide exceptional performance characteristics, so it may be used in environments such as industrial plants, warehouses, car parks, workshops, service bays, manufacturing and distribution centers. Correctly applied, the coating has a seamless, easy-to-clean surface and resistance to spills as needed for flooring in food and beverage production plants. In any case, however, it is essential that direct food contact with the coating is avoided to prevent any potential contamination of food or beverage products.

Chemical Characteristic

A-component	Elastocoat® C 6441/118 - Polyol-Component mixture of polyol, filler, additives
B-component	IsoPMDI 92140 - 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
Component			A
Product Description			Elastocoat® C 6441/118
Density (25°C)	kg/m ³	1370	G 133-08
Viscosity (25°C)	mPa s	6000	G 133-07
Shelf Life - as of production date	d	360	

Characteristic	Unit	Data	Test Method
Component			B
Product Description			IsoPMDI 92140
Density (25°C)	kg/m ³	1234	G 133-08
Viscosity (25°C)	mPa s	210	G 133-07
Shelf Life - as of production date	d	180	

Typical Processing Data

Characteristic	Unit	Data	Test Method
Cup test			
Component temperature	°C	23	
Mixing ratio A:B	pbw	100:33	
Gel time	s	2800	G 132-01

Application Guideline

Characteristic	Unit	Data	Test Method
Potlife (25°)	s	1200	
Tack free time	s	10800	

Lowest possible processing temperature +5 °C

Typical physical properties

The mechanical properties were measured by use of test specimens which were stored for 28 days under standard climatic conditions.

Characteristic	Unit	Data	Test Method
Density	kg/m ³	1380	DIN EN ISO 1183-1,A
Hardness	Shore D	70	DIN ISO 48-4
Tensile strength	N/mm ²	26	DIN EN ISO 527
Elongation at break	%	6	DIN EN ISO 527

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