



**VORASTAR HA 6290** Polyol  
**VORASTAR HB 6042** Isocyanate

**Description**

VORASTAR\* HA 6290 Polyol / HB 6042 Isocyanate is a two-component solvent-free spray system designed for the protection and waterproofing of different types of substrates.

**Typical Component Properties**

	Units	VORASTAR* HA 6290 Polyol	VORASTAR HB 6042 Isocyanate	Test Method
Viscosity, 25°C	mPa.s	1000	750 (25°C)	ASTM D 445
Specific Gravity, 25°C	-	1.03	1.12	ASTM D 891

**Recommended Process Conditions**

Polyol component requires efficient mixing before use.  
 The application must be done by a two-component high-pressure spray machine.

	Units	Limits
VORASTAR* HA 6290 Polyol	Pbv	100
VORASTAR* HB 6042 Isocyanate	Pbv	100
Polyol Temperature	°C	60 - 80
Isocyanate Temperature	°C	60 - 80

**Typical Reaction Characteristics<sup>(3)</sup>**

	Units	Spray Machine <sup>(1)</sup>
Reaction time	sec	5
Open to traffic time	min	30
Full curing time	hr	48

1. Data refer to application with high-pressure bicomponent spraying machine with components temperature at 80°C and surrounding temp was 20°C .

## Handling and Storage

	Units	VORASTAR* HA 6290 Polyol	VORASTAR HB 6042 Isocyanate
Storage temperature	°C	15 – 25	15-25
Storage stability / Shelf life <sup>(4)</sup>	months	6	6

Stored in the original sealed drums in a dry place at the recommended temperature away from direct sunlight.

## Typical Polymer Properties

	Units	Values	Test Method
Density	Kg/m <sup>3</sup>	1030	DIN 53420
Tensile Strength	MPa	10	DIN 53504
Elongation at break	%	250	DIN 53504
Tear Strength	N/mm	90	DIN 53515
Hardness	Shore A	87	DIN 53505

## Safety Considerations

Material Safety Data (MSD) sheets are available from The Dow Chemical Company. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are available from the nearest Dow sales office..

## Customer Notice

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### Contact information :

For more information about PU Systems products, call The Dow Chemical Company :  
<http://www.dow.com/pusystems/index.htm>

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