



VORASTAR HA 6001 Polyol
VORASTAR HB 6658 Isocyanate

Description

The system VORASTAR* HA 6001 POLYOL / VORAMER* HB 6658 ISOCYANATE is a fast setting two component, solvent free, spray elastomer system. A seamless membrane specifically designed for applications which require high abrasion resistance, waterproofing and corrosion protection. Designed to protect concrete and steel in areas such as slurry pits, washdown areas, truck loading platforms, conveyor belts and concrete mixers etc. its' fast-setting properties allows quick return-to-service times. When applied to correctly prepared and primed substrates its elastomeric properties offer excellent dynamic crack bridging properties and durability.

Typical Component Properties

	Units	VORASTAR HA 6001 Polyol	VORASTAR HB 6658 Isocyanate	Test Method
Colour		White-rose	Yellowish	
Density (23°C)	g/dm ³	1.03	1.09	DIN 53217/1+2
Viscosity (23°C) (Brookfield)	mPas	1500	3200	DIN 53019/1
Flash point	°C	> 200	> 200	DIN 52758

Recommended Process Conditions

The polyol component must be thoroughly stirred and fully homogenized prior to and during use, ensuring that no air is entrained during mixing. This system is intended for use with 1:1 volumetric plural component mixing equipment, suitable for both low and high-pressure applications. Such equipment facilitates the application of systems with short reaction and curing times and maintains ratio, pressure, and temperature. For recommendations on appropriate equipment and optimal procedures, please contact our Technical Service Department.

	Units	Limits
VORASTAR HA 6001 Polyol	Vol%	100
VORASTAR HB 6658 Isocyanate	Vol%	100
Typical component temperatures at the mixing head (Tanks and heated hoses respectively the same)	°C	Inpingement Mixing Polyol: 50-60°C Isocyanate: 55-65°C Hoses 60 - 65°C Low pressure Static Mixing Polyol: 25-40°C Isocyanate: 30-45°C

Typical Reaction Characteristics

	Units	Limits
Potlife	s	20-25
Final hardness	days	2

Handling and Storage

	Units	VORASTAR HA 6001 Polyol	VORASTAR HB 6658 Isocyanate
Storage temperature	°C	15 – 30	15 – 30
Storage stability / Shelf life ⁽¹⁾	months	12	12

1. Both polyol and isocyanate components must be protected against humidity and stored above 15°C. The ideal storage temperature is 15-30°C.

Typical Polymer properties

	Units	Limits	Test-Method
Shore hardness	Shore A	74	DIN 53505
Tensile strength	N/mm ²	10,0	DIN 53504
Elongation at break	%	> 300	DIN 53504
Tear resistance	N/mm	18	DIN 53515
Abrasion	mm ³	80	DIN 53516
Density	g/cm ³	1,0	DIN 53420

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

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and products safety. Your Dow sales representative can arrange the proper contacts.

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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