HUNTSMAN
BUILDING SOLUTIONS

MAXGUARD® H-760
TECHNICAL DATA SHEET

Maxguard® H-760 is a two component, spray applied, 100% solid polyurethane/polyurea hybrid elastomer system. Maxguard H-760 has good chemical resistance, excellent toughness and abrasion resistance. However, this elastomer is not stable under the effect of UV light. A color stabilizing additive is available upon request. Various colorants are available for the end users to blend with the B-side (polyol component).

Common Uses: Truck bed liners, automotive after-market parts, high traffic areas, foam blocks & encapsulation.

PHYSICAL PROPERTIES			
Tensile Strength	2900 – 3400 psi	20.0 – 23.4 Mpa	ASTM D 412 C
Elongation	80 – 90%		ASTM D 412 C
Shore D Hardness	60 – 65		ASTM D 2240
Tear Resistance	290 – 330 pli		ASTM D 624
Taber Abrasion CS 17 @ 1000 cycles (1000g)	6 mg		ASTM D 4060

LIQUID COMPONENT PROPERTIES*		
PROPERTY	**A-109**	**MAXGUARD H-760 B**
Color	Yellow	Transparent pale yellow, can be colored
Viscosity @ 77°F (25°C)	400 – 500 cps	600 – 1000 cps
Specific Gravity @ 77°F (25°C)	1.13 – 1.17	1.03 – 1.07
Shelf Life of unopened drum properly stored	6 months	6 months
Storage Temperature	59 – 86°F (15 – 30°C)	59 – 86°F (15 – 30°C)
Mixing Ratio (volume)	1:1	1:1

*See SDS for more information.

REACTIVITY PROFILE
Gel Time @ 77°F (25°C)
3 – 5 seconds

RECOMMENDED PROCESSING CONDITIONS*		
Initial Primary Heater Setpoint Temperature	150°F	65°C
Initial Hose Heat Setpoint Temperature	150°F	65°C
Initial Processing Setpoint Pressure	1500 – 2500 psi	10342 – 17237 kPa
Substrate & Ambient Temperature	> 23°F	> -5°C

*It is the sole responsibility of the applicator to process and apply Maxguard H-760 within specification.

General Requirements: Equipment must be capable of delivering the proper ratio (1:1 by volume) of isocyanate and resin at adequate temperatures and spray pressures. Substrate must be at least 5°F above dew point, with a maximum relative humidity of 80%. Substrate must also be free of moisture (dew or frost), grease, oil, solvents and other materials that would adversely affect adhesion of the product. This product must not be used when the continuous service temperature of the substrate or product is below -10°F (-23°C) or above 140°F (60°C).

Disclaimer: The information herein is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved. The product is combustible and must be protected in accordance with applicable codes. Protect from direct flame and spark contact, around hot work for example. The exclusive remedy for all proven claims is replacement of our materials.

870, Curé-Boivin
Boisbriand, QC, J7G 2A7
Téléphone: 450 437 0123 (866 437 0223)
Fax : 450 437-2338

3315 E. Division Street
Arlington, TX 76011
Phone (817) 640-4900
www.huntsmanbuildingsolutions.com

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