MAXGUARD®

SLAM 790-NH

DEMILEC

TECHNICAL DATA SHEET

Maxguard® SLAM 790-NH is an aromatic, two component polyurea/polyurethane elastomeric system. This system is product of a reaction between resin consisting of amine and polyol with diphenylmethane diisocyanate (MDI) prepolymer. With its fast reactivity, the product can be applied to horizontal and vertical surfaces. Maxguard SLAM 790-NH contains no corrosive components.

Common Uses: Containment and crawl space applications

PHYSICAL PROPERTIES			
Tensile Strength	1500 – 1700 psi	10.3 – 11.7 Mpa	ASTM D 412 C
Elongation at Break	600 – 800%		ASTM D 412 C
Shore A Hardness	85 – 95		ASTM D 2240
Shore D Hardness	35 – 45		ASTM D 2240

LIQUID COMPONENT PROPERTIES*		
PROPERTY	***U-290-A***	***MAXGUARD SLAM 790-NH B***
Color	Yellow	Transparent pale yellow, can be colored
Viscosity @ 77°F (25°C)	900 – 1400 cps	400 – 600 cps
Specific Gravity @ 77°F (25°C)	1.07 – 1.09	1.00 – 1.05
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)
8 – 12 seconds

RECOMMENDED PROCESSING CONDITIONS*		
Initial Primary Heater Setpoint Temperature	140°F	60°C
Initial Hose Heat Setpoint Temperature	140°F	60°C
Initial Processing Setpoint Pressure	1500 – 1800 psi	10342 – 12411 kPa
Substrate & Ambient Temperature	> 23°F	> -5°C

*It is the sole responsibility of the applicator to process and apply Maxguard SLAM 790-NH 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.

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