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PRODUCT INFORMATION:

Master Pack 1420-2.0 is a two component, water blown, polyurethane spray foam system. The in-place density is 2 lbs/ft³. Low viscosity and 1:1 by volume ratio provide for easy processing. The foam is rated **CLASS I** according to ASTM E 84 at four inches.

USES:

Master Pack 1420-2.0 is designed for use in applications such as Insulation Foams, Spa, and Void Fill ECT. Its ease of application and outstanding physical properties allow for a wide range of products to benefit from Master Pack 1420-2.0's exceptional fire resistance.

REACTIVITY PROFILES:

	REGULAR	FAST
Ambient Temp.	REGULAR	
	40° F Min.	
Reactivity (Rise Time)	4 – 6 sec.	2 – 4 sec.

	COMPONENT	COMPONENT	HOD
M-2196 le #2 @ 300	200 - 300	650 + / - 100	
	Specific Gravity @	ASTM D-1638	1.24
			Light brown
			8.90

CURED FOAMS TYPICAL PHYSICAL PROPERTIES

(DATA DERIVED FROM LABORATORY SAMPLES)

PROPERTY	TEST	RESULTS
Density	ASTM D-1622	2.0 pcf
Compressive Strength Parallel	ASTM D-1621	32 psi

K Factor Initial Rvalue, initial	ASTM C-518 Calculated	0.175 5.7
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Tensile Strength	ASTM D-1623	48 psi
Closed cell Content	ASTM D-1940	88% min.
Dimensional Stability	ASTM D-2126	+4% max
Moisture (Perm/Inch)	STM C-355	1.4

PROCESSING GUIDE

STORAGE/SHELF LIFE. Components “A” and “B” should be stored in their original, unopened containers at temperatures between 55°F and 85°F. Shelf life of unopened, sealed containers is approximately six months under those storage conditions.

EQUIPMENT. Recommended proportioning equipment is manufactured by Gusmer, Binks, Graco, or Glas-Craft. Mixing and ratio by volume is 50 parts A to 50 parts B (1:1). Equipment shall be of the heated, airless type, capable of maintaining 100°F to 130°F at the spray gun. Optimum spraying temperature will vary with type of equipment used, substrate, ambient temperature, and humidity.

WARNING: Polyurethane foam may present a fire risk in certain applications if exposed to fire or excessive heat, e.g. welding and cutting torches. The use of polyurethane in

interior applications on walls or ceilings presents an unreasonable fire risk, unless the foam is protected by an approved fire-resistive fifteen-minute thermal barrier.

GENERAL INSTRUCTIONS. Before the containers are opened, all safety instructions should be read and understood by all personnel who will come into contact with the materials. If the safety instructions are lost or otherwise not available, please contact Master Pack for a replacement. Master Pack 1420 should only be applied in 1” to 2” passes. This application procedure is in compliance with the SPFA foam applications guidelines.

Master Pack Material Safety Data Sheet (MSDS) is sent with the original shipment and available upon request. All personnel who come in contact with the product should read and understand the MSDS.

PROTECTIVE EQUIPMENT. The “A” component is a polymeric isocyanate and may be sensitizing, particularly from the standpoint of *VAPOR INHALATION*. The best form of protection against sensitizing vapors in the workplace is a *FRESH AIR SUPPLY*. Several manufacturers, including 3M company and MSA make full face fresh air masks. For minimum protection, organic vapor canister style respirators shall be worn. To prevent contact with the product, wear fabric coveralls and fabric gloves, full-face mask and OSHA approved protective goggles.

HEALTH AND SAFETY

VAPOR INHALATION problems are characterized by coughing, shortness of breath or tightness of the chest. Anyone exhibiting these symptoms shall be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, *SUMMON “EMERGENCY TRAINED” MEDICAL ATTENTION IMMEDIATELY.*

SKIN CONTACT with liquid components can result in a rash or other irritation. Wash the affected area with water. Wipe residual liquid with a clean soft cloth followed by washing with soap and water. If a rash or other irritation develops, *SEE A PHYSICIAN.*

EYE CONTACT with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. *SUMMON “EMERGENCY TRAINED” MEDICAL ATTENTION IMMEDIATELY.*

WARNING:

Polyurethane products manufactured or produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend on a broad range of factors which are controlled or influenced by the manufacturer, applicator or production process. Each person, firm, or corporation engaged in the manufacture, production, application, installation or use of any polyurethane materials should carefully determine whether there is a potential fire hazard associated with such specified usage, and utilize all appropriate precautionary and safety measures as outlined in Local, State and Federal regulations governing the manufacture of products or the construction and/or renovation of commercial or residential structures.

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