



INTELLATHANE

FR

Protective Coating System

DESCRIPTION

Intellathane FR is an all-purpose, 100% solids spray applied elastomeric protective coating with enhanced flame-retardant properties. Intellathane FR is a pure urethane system that contains zero VOCs and exhibits excellent adhesion to wood, metal, and fiberglass substrates.

PROPOSED USES

Intellathane FR exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for wood, metal, and fiberglass surfaces.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	FR ISO	FR Resin
Viscosity, cps @ 75° F	ASTM D-2196	100–200	900–1,100
Specific Gravity	ASTM D-1638	1.2	1.21
Mix Ratio	By weight By volume	50 50	50 50
Cured Property	Test Method	Result	
Shore D Hardness	ASTM D-2240	68 ± 2	
Tensile Strength, psi	ASTM D-412	4,000 ± 500	
Elongation, %	ASTM D-412	15 ± 5	
Tear, Die C, pli	ASTM D-624	600 ± 100	
Fire Rating, Flame Spread Index	ASTM E-84	20	
Fire Rating, Smoke Development Index	ASTM E-84	125	

PROCESS SPECIFICATIONS (USING GRACO REACTOR EXP-1 OR EXP-2)

Equipment Temperature Settings: Component A (ISO) Component B (Poly/Resin)	120° F ± 10° F 150° F ± 10° F
Hose Temperature	140° F–150° F
Equipment Pressure Setting	2,000–2,400 psi

REACTIVITY DATA

Chemical	Resistance
Gel Time at Equipment Temperature	2–3 seconds
Gel Time at Ambient Temperature (74° F–77° F)	5–7 seconds
Cure Time	24 hours

STORAGE AND HANDLING

Componate A (isocyanate) – storage area should be maintained between 75° F to 95° F. Containers must be tightly closed as a protection from moisture and foreign material.

Component B (polyol) – storage area should be maintained between 65° F to 85° F. Containers must be tightly closed as a protection from moisture and foreign material.

DISCLAIMER: THE DATA PRESENTED HEREIN IS NOT INTENDED FOR USE BY NONPROFESSIONAL APPLICATORS, OR THOSE PERSONS WHO DO NOT PURCHASE OR UTILIZE THIS PRODUCT IN THE NORMAL COURSE OF THEIR BUSINESS. THE POTENTIAL USER MUST PERFORM ANY PERTINENT TEST IN ORDER TO DETERMINE THE PRODUCT'S PERFORMANCE AND SUITABILITY IN THE INTENDED APPLICATION, SINCE FINAL DETERMINATION OF FITNESS OF THE PRODUCT FOR ANY PARTICULAR USE IS THE RESPONSIBILITY OF THE BUYER.

CALL CARLISLE POLYURETHANE SYSTEMS FOR TECHNICAL QUESTIONS. (888) 899-9665.

THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, BUT UNKNOWN RISKS MAY BE PRESENT. CARLISLE POLYURETHANE SYSTEMS WARRANTS ONLY THAT THE MATERIALS SHALL BE OF MERCHANTABLE QUALITY. THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR UNWRITTEN, EXPRESSED OR IMPLIED WARRANTIES. CARLISLE POLYURETHANE SYSTEMS EXPRESSLY DISCLAIMS ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR FREEDOM FROM PATENT INFRINGEMENT. ACCORDINGLY, BUYER ASSUMES ALL RISKS WHATSOEVER AS TO THE USE OF THESE MATERIALS. BUYER'S EXCLUSIVE REMEDY AS TO ANY BREACH OF WARRANTY OR NEGLIGENCE CLAIM SHALL BE LIMITED TO THE PURCHASE PRICE OF THE MATERIALS. FAILURE TO STRICTLY ADHERE TO RECOMMENDED PROCEDURES SHALL RELIEVE CARLISLE POLYURETHANE SYSTEMS OF ALL LIABILITY WITH RESPECT TO THE MATERIALS OR THE USE THEREOF.

