

DESCRIPTION

Intellathane Softstep is a 100% solids spray applied elastomeric protective coating intended for flooring applications where prolonged periods of standing is expected. Intellathane Softstep is designed to mimic the hardness of shoe soles for a more comfortable flooring surface. Intellathane Softstep is a urethane hybrid system that contains zero VOCs and exhibits adhesion to wood, metal, and concrete substrates.

PROPOSED USES

Intellathane Softstep exhibits excellent adhesion to wood, cement, and metal.

APPLICATION REQUIREMENTS

Spray Equipment

Spray equipment must be designed to produce a minimum of 2,000-psi with an output of 1.5 gallons per minute. The heating component of the equipment must be able to maintain a temperature at the gun of 150° F. The hose on the equipment must be heated and be rated a minimum of 3,000-psi burst pressure. The spray gun must also be rated at the pressures and throughputs required.

Substrate Parameters

The substrate must be dry! A minimum of 5° F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Pin-holing may occur if the above parameters are not strictly followed; it is up to the applicator to check initial climatic conditions. A small area shall be sprayed and checked for proper application. Applicator may continue, if upon close inspection, the sprayed sample meets quality standards.

Coverage

The material theoretically will cover 1,600 square feet/100-gallon drum kit at 100 mil dry film thickness. Coverage of the substrate should include a waste factor based on conditions at the site and type of substrate to which the material is being applied.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Result
Shore A Hardness	ASTM D-2240	60 – 70
Density (pcf)	ASTM D-1622	55
Tensile Strength	ASTM D-2370	1,000 psi minimum
Abrasion Resistance (taber)	ASTM D-4060	0.3% per 1,000 cycles
Elongation %	ASTM D-2370	230 % minimum
Tear Strength	ASTM D-1004	130 pli minimum

TYPICAL PROCESSING CHARACTERISTICS

Component Temperature at Spray Head: A Component B Component	145° F – 160° F 145° F – 160° F
Minimum System Pressure	2,000 psi
Gel Time	15 – 18 seconds
Cure Time	24 hours
Recommended Application Temp. Range	40° F – 90° F

TYPICAL PRODUCT APPLICATION PARAMETERS

Property	Test Method	"A"	"B"
Specific Gravity	ASTM D-1638	1.18	1.04
Viscosity	Brookfield LVF	600 cps +100	650 cps +100
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Weight	53	47
Pounds Per Gallon	From Spec. Gravity	9.83	8.65
Temp. at Spray Gun	N/A	160° F	160° F
Gel Time	String	15 – 18 sec	15 – 18 sec
Dry to Touch	Touch	60 sec	60 sec
Total Cure	N/A	24 hrs	24 hrs
Product Working Temp	*non immersion	-40° F to 200° F	-40° F to 200° F
Relative Humidity	N/A	MAX 85%	MAX 85%

AVAILABLE COLORS

Formula Number	Description	RAL Standard
300245-703-P	Intellatint Ivory	RAL 1015
300245-875-P	Intellatint Signal Grey	RAL 7004
300245-876-P	Intellatint Iron Grey	RAL 7011
300245-477-P	Intellatint Capri Blue	RAL 5019
300245-478-P	Intellatint Light Blue	RAL 5012
300245-637-P	Intellatint Fawn Brown	RAL 8007
300245-103-P	Intellatint Traffic Red	RAL 3020
300245-369-P	Intellatint Safety Yellow	RAL 1023
300245-200-P	Intellatint Signal Green	RAL 6032
300245-638-P	Intellatint Beige	RAL 1001

Each of these pigments can be purchased in 2-gallon pre-weighed containers. Each kit contains 17.4 lb of tint. Each container will tint one drum of Intellathane or Bullet Liner spray elastomer.

Additional Instructions

Add color kits to the "B"-side or Poly-side only. Do not add partial color kits. Each kit is the exact weight necessary to tint one drum of part "B". Each color kit should be mixed into the drum of Neutral base thoroughly. Avoid air entrapment or the incorporation of wet humid air into the drum when mixing. Mix until color streaking disappears and color is uniform throughout the drum.

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