

### DESCRIPTION

Intellathane Elite is our latest urea-urethane hybrid coating that almost achieves the performance of 100% polyurea systems. Intellathane Elite is one of our best weathering spray elastomers available.

### UNIQUE PROPERTIES

**Moisture Sensitivity Reduction:** Intellathane Elite uses polyurea-urethane hybrid chemistry. Polyurea chemistry reduces moisture blowing during cure; this means better performance and long-term wear properties.

**High Physical Properties:** Intellathane Elite produces a tough membrane with excellent low temperature flexibility and high tensile strength. Substrates coated with these systems have excellent chemical resistance and abrasion properties.

**Easy Application:** Use of polyurea chemistry allows Intellathane Elite to be applied in lower ambient temperatures and higher relative humidity conditions than other urethane coatings. These systems can be applied in ambient temperatures down to 45°F and in relative humidity up to 85% without adverse environmental effects.

**Free of Volatile Organic Compounds:** 100% solid and fast cure produces a high build membrane in seconds. Intellathane Elite has over 25+ years of proven field performance as the ultimate maintenance coating.

### PRODUCT APPLICATION PARAMETERS

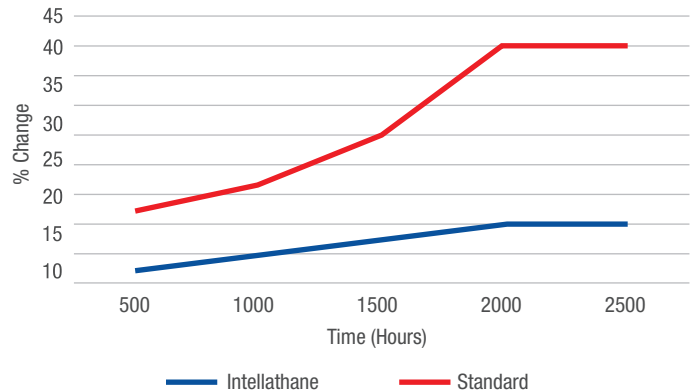
Property	Test Method	"A"	"B"
Specific Gravity	ASTM D-1638	1.17	1.03
Viscosity	Brookfield LVF	450 cps +100	650 cps +100
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Weight	53	47
Pounds Per Gallon	From Spec. Gravity	9.6	8.6
Temp. at Spray Gun	N/A	145°F	145°F
Gel Time	String	7 seconds	7 seconds
Dry to Touch	Touch	10-15 seconds	10-15 seconds
Total Cure	N/A	24 hours	24 hours
Product Working Temp.	*non immersion	-40°F to 180°F	-40°F to 180°F
Relative Humidity	N/A	Max 85%	Max 85%

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Result
Shore D Hardness	ASTM D-2240	90-100
Density (pcf)	ASTM D-1622	69
Tensile Strength	ASTM D-2370	2,000 psi minimum
Abrasion Resistance (taber)	ASTM D-4060	0.3% per 1,000 cycles
Elongation %	ASTM D-2370	120 % minimum
Tear Strength	ASTM D-1004	300 pli minimum
Solids Content		100%

**Color Retention:** Intellathane Elite offers improved color retention and protection from the sun utilizing the highest grade of pigments and additives. In addition, the ultra-violet protectants in the system improves color retention by protecting the polymer resin from both UV light and harmful oxidation; it extends color retention of the finished product up to (3) three times as long as current industrial standards (refer to graph below). It has less potential to chalk on the surface of the finished product thus increasing the aesthetic desired by end customers.

### UV PACKAGE COLOR RETENTION



## STORAGE AND USE

**Filled and pigmented resins will separate upon storage. Premix the B-component prior to use each day.**

Urethane resins are sensitive to moisture and must be kept dry at all times. It is recommended that a nitrogen blanket be applied to open drums in use. Keep materials tightly sealed in a dry environment, stored between 70°F to 90°F.

Intellathane Elite components are temperature sensitive and will freeze. If the components freeze, they can be heated to 100°F and remixed prior to use. Storage of the A-component below 55°F will lead to reduced product performance.

**WARNING:** Do not reseal isocyanate drums if exposed to moisture as pressure may develop and rupture the drum. See SDS and labels for more information.

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