

Technical Data

INTELLATHANE® 530 85A

DESCRIPTION:

Intellathane® 530 85A is our latest in 100% polyurea technology in the market today. This coating systems offers the best moisture resistance and low temperature cure with improved elongation and tensile strength over standard urea coatings. Intellathane® 530 85A is used as waterproof membrane for the protection of steel, concrete, wood and foamed plastics. This systems meets USDA approval for incidental food contact under all USDA approval top coatings.

UNIQUE PROPERTIES:

Intellathane® 530 Polyurea 85A has over 20 years of proven field performance as the ultimate maintenance coating. Exhibiting 100% solids and rapid cure rates help Intellathane® 530 85A produce high build membrane in seconds.

High Physical Properties: Intellathane® 530 85A produces a tough membrane with excellent low temperature flexibility while exhibiting high tensile strength. Intellathane® 530 85A has excellent chemical resistance and abrasion properties.

High resistance to moisture during cure: Intellathane® 530 85A can be sprayed in 100% humidity down to temperatures below freezing without the blowing problems that occur with urethane coatings. That means better performance in your applications.

Low viscosity: Intellathane® 530 85A lines of coating have always offered the lowest viscosity resins on the market. The low viscosity improves mix efficiency with conventional urethane equipment. That also means better performance in your applications.



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PHYSICAL PROPERTIES:

Liquid Components:

	A Component	B Component
Viscosity	400 cps	600 cps
Weight per gallon	9.9 lbs.	8.5 lbs.
Ratio by volume	50	50

Cured Resin:

	Values:
Gel Time	10 - 12 seconds
Shore A	85 A
Tensile Strength	3100 psi
% Elongation	720 %
Specific gravity	1.02
Color standard	variable
Tear Strength	580 pli
Moisture Vapor Transmission	<0.10

STORAGE AND USE:

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

Urea resins are sensitive to moisture and must be kept dry at all times. Blanket open drums with nitrogen when in use. Keep unused materials tightly sealed in a dry environment, stored between 70 ° and 90° F.

Intellathane 530 85A components are temperature sensitive and will freeze. Should 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.



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

Disclaimer

The data presented herein is not intended for use by nonprofessional applicators, or those person 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 **Accella Polyurethane Systems** for technical questions. 770-607-0755.

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