

# Technical Data

## INTELLATHANE® 510 90A

### DESCRIPTION:

**Intellathane® 510 90A** is fast curing high performance urethane coating. Intellathane® 510 90A is used as a chemical resistant and abrasion guard for the protection of steel, concrete, wood and foamed plastics.

### UNIQUE PROPERTIES:

100% solids and fast cure produces a high build membrane in seconds. Intellathane® 510 90A has over 15 years of proven field performance as the ultimate maintenance coating.

High performance: Intellathane® 510 90A produces a tough membrane with excellent low temperature flexibility and high tensile strength. Intellathane® 510 90A has excellent chemical resistance and abrasion properties.

Low viscosity: The Intellathane® 510 90A lines of coatings offer the lowest viscosity resins on the market. Low viscosity improves mix efficiency with conventional urethane equipment. That also means better performance in your applications.

See next page for typical properties:



[www.accellapolyurethane.com](http://www.accellapolyurethane.com)  
2500 Adie Road, Maryland Heights, MO  
Phone (314) 872-8700 | Fax (314) 872-9750

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### TYPICAL PROPERTIES:

Liquid Components:	A Component	B Component
Viscosity	250 cps	350 cps
Weight per gallon	9.9 lbs.	8.5 lbs.
Ratio by volume	50	50

### Cured Resin:

Gel Time	4-8 seconds
Shore A	90 A
Tensile Strength	2500 psi
% Elongation	350 %
Specific gravity	1.02
Water Vapor Transmission	0.02 perm inches
Color standard	white, black, and grey



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## 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. Blanket open drums with nitrogen when in use. Keep unused materials tightly sealed in a dry environment. Store drums between 70° and 90° F.

Intellathane® 510 90A 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.

**Warning:** Do not reseal isocyanate drums if exposed to moisture, pressure may develop and rupture drum.

See MSDS and labels for more information.

Call **Accella Polyurethane Systems** for technical questions. 770-607-0755.

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