

Technical Data

INTELLATHANE® 530 90A-F

DESCRIPTION:

Intellathane® 530 90A-F is second generation 100% polyurea technology, offering the best moisture resistance and low temperature properties available. Intellathane® 530 90A-F is used as a chemical resistant and abrasion guard for the protection of steel, concrete, wood, foamed plastics, and polyurethane foam.

UNIQUE PROPERTIES:

100% solids and fast cure produces a high build membrane in seconds. Intellathane® 530 90A-F has over 20 years of proven field performance as a maintenance coating.

High performance: Intellathane® 530 90A-F produces a tough membrane with excellent low temperature flexibility and high tensile strength. Intellathane® 530 90A-F has excellent chemical resistance and abrasion properties.

High resistance to moisture during cure: Intellathane® 530 90A-F can be sprayed in 100% humidity down to temperatures below freezing without the blowing problems that occur with urethane coatings. That means better performance and long term wear properties.

Low viscosity improves mix efficiency with conventional urethane equipment. That also means better performance in your applications.



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

Technical Data

COMMON APPLICATIONS

Secondary containment for fuels, oils, fertilizers, solvents, and chemicals

Protective coating for concrete, steel, wood, foamed plastics, and polyurethane foam

Liner with or without geotextile fabric for ponds, landfills, irrigation.

Polyurethane foam protection for tanks, walk-in freezers, containers, trailers, poultry barns

Water and waste water treatment plants

Mining operations

Refineries

Industrial and manufacturing plants



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

Technical Data

TYPICAL PROPERTIES:

Liquid Components:

	A Component	B Component
Viscosity	500 cps	500 cps
Weight per gallon	9.7 lbs.	8.5 lbs.
Ratio by volume	50	50
Shelf life	1 year	2 years
Cured Resin:		
Gel time	3-5 seconds	
Tack free	20 – 30 seconds	
Shore A	90 A	ASTM D2240
Specific gravity	1.02 g/cc	
Tensile strength	2500 psi	ASTM D412
Elongation	300 %	ASTM D412
Tear, die C	435 pli	ASTM D264
Tear with geotextile	> 600 pli	
Abrasion, 1000 cycle., 1 KG, H-18	105 mg loss	ASTM C957
QUV weatherometer	pass 3000 hrs, 313B	ASTM G53
Cold flex, ¼" mandrel	pass -40° F	ASTM D3111
Impact resistance	pass	ASTM D2444
Service temperature	-40° F to 250° F	
Color standard	white, black, and grey	
Recoat	0-12 hours	
Full cure	12-24 hours	
Chemical resistance, 7 day spot	no effect	ASTM D1308

10% sulfuric acid, 10% sodium hydroxide, 20% hydrochloric acid, 5% acetic acid
 motor oil, diesel fuel, JP-4 jet fuel, antifreeze, automatic transmission fluid,
 Hexane, xylene, toluene,



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

Technical Data

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. Store drums between 70° and 90° F.

Intellathane® 530 90A-F 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.

THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, BUT UNKNOWN RISKS MAY BE PRESENT. ACCELLA 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. ACCELLA 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 ACCELLA POLYURETHANE SYSTEMS. OF ALL LIABILITY WITH RESPECT TO THE MATERIALS OR THE USE THEREOF.



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