

Specialized Industrial Materials

All Purpose 100%

Polyurea for Concrete, Steel and Wood.

Features

Chemical Resistant

All Purpose 100% provides excellent resistance against a variety of chemicals. See table on page 2.

Good Elongation

All Purpose 100% is formulated with high elongation to allow for bridging of normal cracks in concrete.

Fast Set

All Purpose 100% is formulated as a fast-set lining to minimize down times of application areas.

Pure Polyurea

All Purpose 100% is a pure polyurea. It is not sensitive to moisture like other polyurethane or hybrid coatings.

Zero VOCs

All Purpose 100% is a 100% solids coating and is formulated with zero VOCs.

Application

All Purpose 100% should be applied through a two-component, high pressure proportioning unit. Material and hose heaters should be between 150-170°F. Pressure should be a minimum of 2400 psi. If A side and B side pressures are not equal, stop spraying and examine equipment.

Be sure to consult with a Specialized Industrial Materials representative for equipment and application training.

Description

All Purpose 100% is a 1:1, fast-set, spray applied two-component polyurea coating. It is 100% solids and contains zero VOCs.

All Purpose 100% is applied to concrete and forms a durable, flexible, seamless liner for use in secondary containment applications. It is ideal for preventing leaks and containing spills of wastewater, fuels, and many other chemicals. All Purpose 100% has exceptional resistance to impact, disbondment, and chemical attack.

Typical applications for All Purpose 100% include wastewater containment, chemical containment and spill control, fuel loading and unloading stations, water ponds, vapor barriers and landfills.

All Purpose 100% should be applied with our Concrete Primer for best results.

Technical Data

Property	Value
Hardness, Shore D	56
Tensile Strength, psi	2625
Tear Strength, pli	375
Elongation, %	300
Abrasion Resistance, mg loss CS17 wheels, 1000g, 1000 cycles	25
Permeability, perms	0.05
Application Temperature	
Substrate, °F	40 to 110
Ambient, °F	40 to 110
Gel Time, sec	20
Tack Free Time, sec	30
Recoat Window, min	25

Safety

This product is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or a fresh air hood. Spraying indoors requires forced ventilation. Be sure to read the SDS in its entirety prior to using All Purpose 100%.

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Packaging, Storage, & Shelf Life

All Purpose 100% is available in 55 gallon drums and 275 totes. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

Chemical Resistance Table

Key: R = Recommended Immersion (no damage)
L = Limited Recommendation (for spills / splash)
N = Not Recommended

Methanol	N	10% Sulfuric Acid	R
Gasoline	N	5% Hydrochloric Acid	R
Diesel Fuel	L	10% Hydrochloric Acid	R
Toluene	N	10% Phosphoric Acid	R
MTBE	N	10% Acetic Acid	L
5%MTBE/Gasoline	N	10% Ammonium Hydroxide	L
Motor Oil	R	20% Ammonium Hydroxide	L
Hydraulic Fluid	R	10% Sodium Hydroxide	R
2-Methylbutane	N	20% Sodium Hydroxide	R
Water	R	50% Sodium Hydroxide	R
10% NaCl	R	10% Potassium Hydroxide	R
10% sugar water	R	20% Potassium Hydroxide	R
5% Sulfuric Acid	R		

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