

Specialized Industrial Materials

Acrylic Polyurethane

Acrylic Polyurethane Finish Coating For High Performance Applications

Description

Acrylic Polyurethane is a high-solids, VOC compliant, acrylic polyurethane finish coating. Acrylic Polyurethane is formulated to give an extremely durable high performance finish having outstanding gloss and color retention.

Acrylic Polyurethane should be applied over our Epoxy Primer. When used with our Epoxy Primer, Acrylic Polyurethane meets AWWA D102-03 "Coating Steel Water Tanks" - Outside Coating System #5.

Features

High Gloss

Acrylic Polyurethane is formulated as an aesthetic high gloss finish coat.

UV Stabilized

Acrylic Polyurethane will hold its color in direct sunlight. It will not chalk or discolor.

Chemical Resistance

Acrylic Polyurethane demonstrates excellent chemical resistance due to its high crosslink density.

High Solids

Acrylic Polyurethane is formulated with a high solids content to reduce VOCs.

Application

Acrylic Polyurethane is mixed 1 part A to 3 parts B and does not require thinners. For best results, it should be spray applied over Epoxy Primer.

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

Technical Data

Property	Value
Mix Ratio, A to B	1:3
Solids, percent by volume	58
Solids, percent by weight	68
VOCs, lbs per mixed gallon	2.9
Recommended Thickness, mils dft	2-3
Sag Resistance, mils wet film	5-6
Hardness	2 H
Direct Impact Strength, in lbs.	140
Flexibility, 180° bend over 1/8 in mandrel	Pass at 2 mils
Abrasion Resistance, mg loss	110
Gloss, 60° meter	90+
Pot Life, min @ 77°F	40-45
Dry to Touch Time, min @ 77°F	60
Dry to Handle Time, hrs @ 77°F	4-6
Recoat Window, hrs @ 77°F	24

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

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 Acrylic Polyurethane.

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