

ACID COAT™

FLEXIBLE, CHEMICAL RESISTANT, URETHANE POLYMER COATING



Description

Acid-Coat™ is a high performance, chemically resistant coating specifically designed for applications where high concentrations of acids and alkali are present. It provides excellent resistance to nitric acid, hydrochloric acid, phosphoric acid, sodium hydroxide, sulfuric acid, Clorox and ammonia. When fully cured Acid-Coat provides excellent abrasion, impact and corrosion resistance to metal, wood, fiberglass and masonry surfaces. It offers easy mixing and simple application by brush or paint roller. Acid-Coat can be mixed with sand and or aluminum oxide grit additives to provide an aggressive non-skid surface in both wet and dry environments. The kit is packaged in one gallon containers complete with 1 quart activator and your choice of 17 color options. Acid-Coat provides a tough, high build, protective coating that can be applied in wet film thickness up to 1/8" without sagging, with low VOC's, good UV and excellent chemical resistance.

Mechanical Properties

Test	Method	Result
Tensile Strength	ASTM D-412	2,578 psi (177.8 bar)
Tear Strength	ASTM D-624	595 lbf/in (67.2 N/m)
Elongation	ASTM D-412	430%
Hardness, Shore A	ASTM D2240-85	75-85 Shore A
Abrasion Resistance	ASTM D3389-94	4.4 mg abrasion loss per 1k revolutions

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Typical Applications

- Pipe, tank, or surface coating
- Application to metals, wood, & concrete
- Abrasion resistance coating
- Waterproofing
- Non-slip surfacing

Benefits

- Excellent chemical resistance to chlorines and acids
- Waterproof, UV, and chemically resistant coating
- Easy application
- Packaged in convenient one gallon kits
- UV Stable (color pigment, non-white recommended for UV stability)

Physical Properties

VOCs: Low (less than 3 lbs/gal, approx. 66% solid)

Pot Life: 120 Minutes at 75°F (24°C)

Cure Time (95% Cure):
7 Days at 75°F (24°C)

Cure Time (75% Cure*):
3 Days at 75°F (24°C)

* Generally a 75% cure is considered sufficient for mild abrasion and immersion.

Resin Application:

By brush, roller, or spray gun

Service Temperature:

-27° to 180°F (-32° to 82°C)

Shelf Life: 6 Months with recommended storage methods