



REMR MATERIAL DATA SHEET CM-SE-1.37

CONCRETE SEALER: ACRYLTEX 2500

1. NAME

Acryltex 2500

resistant. Also it provides excellent waterproofing.

2. MANUFACTURER

General Polymer Corp.
9461 Le Saint Drive
Fairfield, Ohio 45014
Telephone: 513-761-0011

5. MANUFACTURER'S TECHNICAL DATA

3. DESCRIPTION

Acryltex 2500 is a completely new inorganic coating system designed for use over both steel and concrete surfaces.

Acryltex 2500 (kit) consists of a dry powder and a liquid polymer catalyst which are mixed at the time of application. One gallon of liquid catalyst is mixed thoroughly with two gallons (23 pounds) of dry powder to produce two gallons of wet material.

<u>Properties</u>	<u>Test Method</u>	<u>Results</u>
Flexibility 7 days RT 25 °C/50% rh		Passes 1" radius mandrel bend. Trace cracking on 1/2" bend.
Freeze/Thaw	ASTM C 67 60 cycles +80°F-50 °F	No visible change or weight loss.
Bond strength, psi	ASTM C 234	310
Weatherometer	ASTM G 23 Carbon-Arc 200 hr	No visible degrada- tion.

4. USES

Acryltex 2500 creates breathable coating for concrete and steel that provides long-lasting protection against water, frost, weathering, deicing salts and corrosion.

Because Acryltex 2500 is completely water based, it is environmentally safe. It has excellent adhesion to a wide variety of substrates and an unusual combination of hardness, flexibility and strength. It is fire resistant and skid and impact

Guarantee: General Polymers Corporation guarantees Acryltex 2500 to be free of manufacturing defects and that it complies with all properties stated above. General Polymers Corporation will replace any material that does not conform to our standard specifications or will refund the purchase price if discovery of noncompliance with specifications is made within one year of delivery of materials.

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Acryltex 2500 should be used on clean surfaces, free of loose debris. While the coating will adhere to most existing surfaces, its overall integrity is no better than the substrate. Cement blocks and concrete should be damp (not wet) to reduce loss of liquids before hardening takes place. Fiber-glass mesh can be used in conjunction with Acryltex 2500 for added strength and is an easy, economical way to cover cracks and holes in the substrate.

Mixing and application: The proper amount of liquid and powder is supplied in the 2-gal kit. Pour the gallon of liquid catalyst into a suitable container (5 gal) and thoroughly blend. Use a low speed drill and mixing paddle while the dry powder is added. This mixture will have a heavy consistency, ideal for application on flat or vertical surfaces by brush, roller or squeegee.

For troweling: Dry graded silica sand may be added to achieve a troweling consistency.

For spraying: Add up to 1/2 gal water to reduce viscosity of mixture to approximately 70 to 75 ku. Spraying can be accomplished with conventional spray technique.

Typical equipment would be DeVilbiss MBC gun with 497 FX fluid tip and #30 Air Cap or JGA gun with 440 FX fluid tip and #30 Air Cap or equivalent. A 5 to 1 or 7 to 1 ratio suction pump is suitable for Acryltex 2500.

Film thickness of up to 15 mils can be applied by spray in one application by making multiple spray passes in cross hatch fashion. A second spray application of 10 to 15 mils (total of 25 to 50 mils) can be made in approximately thirty minutes depending on temperature and humidity.

Temperatures below 70 °F may lengthen the recoat time somewhat.

Acryltex 2500 is readily applied by conventional coating methods, including spraying, brushing, troweling or rolling. It mixes easily and cleanly, cures at ambient temperatures, and tools and equipment can be easily cleaned with water.

Coverage:

% solids by wt.	81.0
% solids by vol.	65.0
Mil ft per gal	1,040 sq ft
104 sq ft/gal will	
yield 10 mils dry	

7. CORPS OF ENGINEERS' EVALUATION (tested as concrete sealers only)

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 73.7%

Percent moisture absorption
(ambient temp) (ASTM C 642-82):

1 day	1.42%
2 days	1.70%
4 days	1.94%
7 days	2.20%

Ratio of percent moisture absorption
for treated to nontreated specimen
(2-day submersion): 36.2%

Percent vapor transmittance (see Technical Note CS-ES-1.8):

2 days	0.82%
4 days	0.23%
7 days	1.78%

Ratio of percent vapor transmittance
for treated to nontreated specimen
(2-day diffusion): 38.3%

Cost: Depends on job conditions and geographic areas. Available on request.

9. TECHNICAL SERVICE

Skilled representatives of General Polymers Corporation are available throughout the United States. Write or telephone direct to General Polymers Corporation for assistance. Literature and installation information available on request.

10. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets must be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.