



PACIFIC POLYMERS

RES-CRETE R.C. H₂O

WATER BASED EPOXY FLOOR COATING

1. PRODUCT NAME

RES-CRETE R.C. H₂O

A two component, water based, Epoxy Floor Coating.

immediately and wash with warm, soapy water. Wear suitable eye protection. Always wash hands before eating.

2. MANUFACTURER

ER SYSTEMS (An ITW Company)

12271 Monarch Street
Garden Grove, CA 92841
Tel: 1-800-888-8340
Fax (714-898-5687

4. TECHNICAL DATA

(See chart on Page 3)

5. INSTALLATION

RES-CRETE R.C. H₂O is designed for interior applications only. **RES-CRETE R.C. H₂O** is easily mixed and can be applied with a brush and/or roller.

Surface Preparation:

3. PRODUCT DESCRIPTION

Composition: Bisphenol-A Epoxy Resin cured with a modified waterborne polyamine.

Basic Uses: **RES-CRETE R.C. H₂O** offers the basic performance characteristics of conventional epoxy systems, along with the application advantages of latex type coatings. **RES-CRETE R.C. H₂O** is used for a smooth semi-gloss finish. It is ideal for use in garages, kitchens, cafeterias, and other areas where incidental food contact may occur.

Available Colors:

Concrete Grey

Sizes:

1.5 gallon kits

Caution: DO NOT FREEZE THE COMPONENTS.

Protect this material from freezing. Do not store below 50°F (16°C).

- Prior to application, all areas to be coated with **RES-CRETE R.C. H₂O** must be free of contamination such as waxes, oils, loose concrete, dirt, curing compounds, etc.
- Concrete should be shot blasted, sandblasted or acid etched. Acid etching, followed by proper neutralization and rinsing, is usually acceptable if the concrete is in good condition and not contaminated.
- For new concrete, allow the concrete to cure for a minimum of 28 days before applying the **RES-CRETE R.C. H₂O**. This will allow the concrete ample time to let moisture escape and thus, promote good adhesion.
- **Vapor Drive:** Test concrete for vapor transmission. Vapor Drive should not exceed 4lbs.
- For old concrete, all contamination such as waxes, oils, dirt's, greases, and traffic grime must be removed before applying **RES-CRETE R.C. H₂O**. The best method of removing surface contamination is mechanically. Mechanically removing contamination from concrete may be done by sandblasting, scarifying, or metallic abrasive blasting. Sandblasting works well for achieving a mild profile to promote good adhesion. Scarifying is primarily used for removing heavy amounts of coating or contamination.

WARNINGS AND HAZARDS:

Before using the products, always refer to MSDS for important warnings and safety information. Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove

Mixing Instructions: Before mixing, stir "B" component separately until consistency is uniform. Pour "A" component into "B" and mix thoroughly to incorporate all pigments, using a low speed mechanical mixer for 3 to 5 minutes. Once mixed, the material must be used within 2 hours. Scrape the wall of the container to get proper color mix.

Application: To apply, use a ¼" nap roller with a waterproof core. Work directly from the container, paint tray or pour coating into strips on to the surface to be coated. Work small sections at a time and make final pass with roller in one direction to give even texture and to minimize lap marks.

For additional chemical resistance **RES-CRETE R.C. H₂O** can be top coated with **ELASTO-GLAZE CRU** A two component chemical resistant urethane manufactured by ER SYSTEMS. **ELASTO-GLAZE CRU** needs to be applied 16-24 hours after the second coat of **RES-CRETE R.C. H₂O** is applied.

Coverage: **RES-CRETE R.C. H₂O**

150 sq. ft. per gallon per coat for industrial use.

Two coats minimum are required.

ELASTO-GLAZE CRU: Coverage Rate: 150 sq.ft per gallon will yield roughly 5 to 6 mil DFT.

Clean Up: **RES-CRETE R.C. H₂O** Clean tools by washing with water. Use disposable roller covers and discard when material begins to set on roller.

Cure: Allow 72 hour cure time before allowing heavy traffic on the finished system.

6. AVAILABILITY AND COST

RES-CRETE R.C. H₂O is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made upon request.

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.

7. PRODUCT WARRANTY

Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such

factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with the manufacturer's specifications.

It is the user's responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his use of the product. The substrate to which the product is applied must be sound structurally and otherwise.

Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product.

This warranty does not cover consequential damages, nor does it cover the labor attendant to replacing product in the event of a product failure. The warranty only extends to replacement of the product itself.

All products proven to be defective in manufacturing will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results did not obtain, nor can we accept damage in excess of the purchase price of these products.

8. MAINTENANCE

If **RES-CRETE R.C. H₂O** is damaged, and the surface has not been contaminated, it can be repaired by grinding that area and recoating with **RES-CRETE R.C. H₂O**.

9. TECHNICAL SERVICES

All of the latest updates to product data and specifications are available at www.pacpoly.com. Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

Technical assistance can be obtained by contacting:

ER SYSTEMS (An ITW Company)
12271 Monarch Street
Garden Grove, CA 92841
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4. TECHNICAL DATA – RES-CRETE R.C. H20

PROPERTY	TEST METHOD	RESULTS
Consistency	---	Fluid
Viscosity (mixed at 77°F (25°C)) (±50cps)	Brookfield Viscometer	
Pigmented		2500 cps
Potlife at 77°F (25°C)	---	2 hrs.
Mixing Ratio (A/B) by volume	---	1:3
Tack free time at 77°F (25°C)	---	6±1 hr.
Solid contents (by volume)	ASTM D-2369	
Pigmented		47.00%
Solid contents (by weight)	ASTM D-2369	
Pigmented		55.00%
Weight per gallon	---	
Pigmented		9.70 lb. (4.4kg/gal)
Weight per liter (kg)	---	
Pigmented		1.16 kg
V.O.C. (gr/liter) minus water	ASTM D-2369	
Pigmented		< =100
Abrasion Resistance	ASTM D-4060	25 mg loss
Direct Impact Strength	---	No damage, cracks, spalls, crazing
Tensile Bond Test	Pull-off method	234 psi; epoxy coating remained intact, concrete failure
Hardness (Shore D)	ASTM D-2240	77
% Elongation	ASTM D-638	<5%
Tensile Strength	ASTM D-638	No cracking or break
Shelf Life	---	1 year in unopened containers stored indoors at 77°F (25°C)

CHEMICAL RESISTANCE
24 Hour Exposure, Spot Test

Seawater	No Effect
5% Acetic Acid	No Effect
10% Sulfuric Acid	No Effect
10% Hydrochloric Acid	No Effect
28% Ammonia	No Effect
Gasoline	No Effect
Brake Fluid	No Effect
Skydrol	No Effect
	(Slight Discoloration)