



LIFE PAINT *RAIN SHIELD*

PRODUCT SPECIFICATIONS

ARCHITECTURAL COATINGS

64 Series, High Build Ceramic Elastomeric Wall Coating

Description

A premium quality, high build ceramic low luster, Elastomeric coating system is for beautifying, protecting and waterproofing exterior wall surfaces. A flexible coating that has an elongation of up to 400%.

Advantages

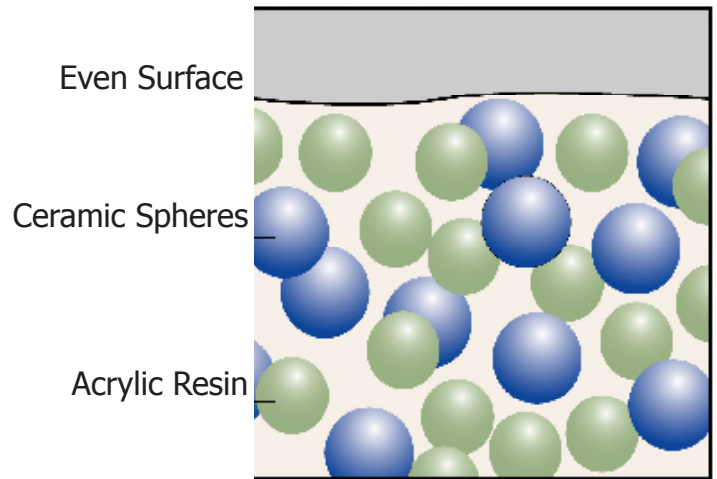
- * Environment Friendly
- * Bridges hairline cracks
- * Excellent Dirt Pick Up Resistance
- * Thermal Barrier
- * Resists wind driven rain (Passes ASTM E96, TTC-555-B)
- * Breathable (ASTM-E96 - 12.5. perms)
- * Maintains adhesion and flexibility even in cold temperatures
- * Superior resistance to ultraviolet ray breakdown

Uses

- * Masonry
- * Stucco
- * Wood
- * Metal
- * Concrete

Ceramic spheres adds an insulating and stain resistant value.

RAIN SHIELD



Finish: Low luster
Package Size: One gallon, 5 gallon.
Colors White and Bases (Custom Colors Available)
Surface Preparation:

Cleaning and General Preparation:

Loose or peeling coatings must be removed by high pressure water blasting or other appropriate means. Remove all loose or defective concrete or masonry and any surface contaminants such as dirt, oils, mildew, chalk and efflorescence which may adversely affect product adhesion and performance.

Joint and Large Crack Treatment:

Perimeter joints between unlike materials such as around doors, windows, vents, etc. and active joints such as curtain wall joints, expansion and control joints must be caulked and filled with an authorized elastomeric caulk carefully following the manufacturer's specifications.

Limitations:

Do not apply over mildew Not recommended for below grade (NOTE: Retaining walls, planter boxes etc. must be waterproofed on the backside with a below grade waterproofing type material prior to back filling). Not recommended for application to frost covered surfaces. Not recommended for application if rain is expected within 24 hours. Do not apply when temperatures are below 50°F or expects to drop below 40°F within a 24 hour period or when fog or rain is in the 24 hour forecast.

Efflorescence:

Must be removed by washing with a 10% solution muriatic acid.

Previously Painted Surfaces:

Clean all surfaces. (See "Surface Preparation") Remove all loose and peeling paint.

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Mildew:

Mildew is a fungus, brown, black, grey or white in color which will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew. Rinse thoroughly. See precautions on bleach label before using.

Application:

Apply by brush, roller or spray. MIX THOROUGHLY PRIOR TO USE
 Spray application: Use heavy duty conventional airless pump with minimum rating of 1500 P.S.I. with a .021 spray tip.

Coverage:

90-100 sq. ft. per gallon 18 mils wet (8.28 mils dry) film thickness

Drying Time:

Dries to touch in two hours, recoat overnight. Drying time will vary depending upon temperature, humidity and film thickness. Do not apply under visible wet conditions.

Clean Up:

Clean Tools and hands with warm soapy water and rinse thoroughly.

Thinning:

SPRAY APPLICATION: DO NOT THIN. Thinning may affect performance and violate warranty.

Maintenance:

Rain Shield systems are designed to be waterproof and can be water blasted to remove any dirt that may have accumulated on the surface over several years. Stubborn stains can be brushed to loosen the dirt before washing.

Technical Services:

Rain Shield systems use only the very best raw materials and are manufactured by a company with over 30 years of specialty coatings experience. A Technical Staff is available for questions concerning the product and its use.

Safety, Health and Environmental Recommendations:

Use appropriate personal protective equipment. Consult label or material safety data sheet available from Life Paint Corporation.

Priming: All surfaces should be primed with Rain Shield #6475 Acrylic Exterior Primer which contains ceramic spheres and special additives to insure maximum adhesion of the coating system.
 NOTE: Applied primer which has been exposed to dirt, dust, salt air, or chemical environments must be washed down and re-primed before the top coat is applied.

FOR WARRANTY
See Separate Warranty Document

Physical or Performance Properties

Water Vapor Transmission
 Water Vapor Transmission
 Tensile Strength
 Elongation
 Mildew Resistance
 Freeze Thaw Resistance
 Accelerated Weathering

 Salt Fog Resistance
 Flexibility
 Gloss, Specular
 Resistance to Wind Driven Rain
 pH
 Flash Point
 Chemical Resistance
 Detergent Resistance
 Dirt Collection
 Dirt Resistance

Test Method

ASTM E96
 ASTM D1653
 ASTM D412-87
 ASTM D412-87
 MIL STD 810D
 ICBO METHOD
 1,500 Hours in
 QUV Machine
 ASTM B117-90 (TT-C-555B)
 ASTM B1737 (TT-C-555B)
 ASTM D523-90
 TT-C-555B
 Lab Value
 ASTM D56-87
 ASTM D1308-87
 ASTM D2248-89
 ASTM D3719-87
 Lab Value

Results

Perms 12.51
 Pending
 275 PSI (70°F) 325 PSI (32°F)
 400% (70°F) 325 PSI (32°F)
 Very Good
 50 + Cycles Pass
 No Effect on shades
 or Film Integrity
 500 hours no yellowing or adverse effects
 0°C 1/8" Mandrell Pass
 7-10 pts at 60° angle
 Pass
 8.5 - 9.0
 200° F
 Mineral Spirits-No Effect
 Ammonia - No Effect
 Good
 Excellent

Technical Information

Type:	Acrylic Elastomeric Resin	Viscosity:	118-123 KREBS units at 77°F
Diluent:	Water	Flash Point:	>200°F
Solids Content:	57-60% by weight 43-46% by volume	Maximum V.O.C.:	50 grams per liter

50 grams/liter is the maximum V.O.C.