



Liquid Ceramic® Exterior Wall Coating High-Build Architectural Coating

Description

Liquid Ceramic® is a high-build, 100% acrylic solution engineered for exterior above-grade substrates requiring high performance protection with high solids and ceramic microsphere technology giving the most durable and long-lasting protection against wind-driven rain while weatherproofing concrete, masonry, concrete block, brick, wood and stucco. Its flexible coating allows 335% elongation while maintaining a breathable superior coating.

Product Advantages

- Four bases tintable to virtually any color
- Long lasting protection
- Mildew and stain resistant
- Will not crack, peel, flake or blister under extreme conditions
- Top level weatherproofing
- Easy to clean with soap and warm water
- Superior hiding due to high solids content
- Excellent coverage, not watered-down
- Bridges cracks up to 1/16" of an inch

Product Uses

Exterior Surfaces: ideal for high-rise apartments and condominiums, tilt-up warehouses, hospitals, schools, concrete parking garage overheads, hotels, resorts and residential homes. Use on new or previously coated concrete, stucco, cement block, masonry, properly prepared brick, fiber cement siding, EIFS exterior wall cladding.

Base & Tinting Information

Follow tinting requirement specified within appropriate color formula book, color matching computer and automatic tinting equipment.

BASE/COLOR:

LC-P-1	White /Pastel
LC-M-2	Tint
LC-D-3	Deep
LC-A-4	Accent

The use of deep tinted colors or high contrast accent colors may require the addition of one or more finish to achieve acceptable coverage and hiding results.

Technical Data

SOLIDS:	61.2 ± 2% by weight 49.0 ± 2% by volume
VOC LEVEL:	66 g/L
WEIGHT / GALLON:	11.27 ± 0.5 lbs.
FINISH:	Satin (8 ^o -15 ^o) *Geometry 60 ^o
FLASH POINT:	Non- flammable
FIRE RATING:	Class A
VISCOSITY:	105-115 Ku's
COVERAGE PER COAT:	7.1 mils to 10.1 mils wet 3.4 mils to 4.8 mils dry 159 to 225 sq ft/ gal

*Coverage figures do not include surface porosity, irregularities & material loss due to application methods. For wind driven rain performance apply 2 coats of finish @ 4.8 mils each (9.6 mils DFT)

Performance

Wind-Driven Rain:	(ASTM-D6904) PASS
Elongation:	(ASTM-D2370) 335%
Tensile Strength:	ASTM-D2370) 400 psi
Permeability:	(ASTM-D1653) PASS
Mildew Resistance:	(ASTM-D3273) PASS
Alkali Resistance:	(ASTM-D1308) PASS

Technical Compliance:

AIM:	PASSES
OTC:	PASSES

Application

Stir or shake thoroughly before using. Read all label and Safety Data Sheets (SDS) information prior to use. Paint always on shaded side of the building. Do not apply in cold, damp conditions. Avoid exterior application late in the day when dew or condensation is likely to form, or rain is expected. Typical standard practice recommends intermixing when working with more than one container of a tinted color, to ensure color consistency.

BRUSH: Use a high-quality nylon or polyester brush.

ROLLER: Use a ½" to 1 ¼" nap roller cover, depending on the substrate texture.

AIRLESS SPRAY: Use a tip size from .017" to .023". Spray application must be back rolled to work material into surface.

MIXING: Always mix thoroughly before and during application.

THINNING: This product is not to be thinned.

CLEANUP: Clean all equipment immediately after use with warm, soapy water. Completely flush all spray equipment with this solution.

DRYING TIME@ 77°F @ 50% RH:
Temperature and humidity dependent.
To touch: 1 hour to recoat: 5 hours

Recommended Systems

SUBSTRATE:

Masonry, Concrete Block:

- 1 coat **Liquid Ceramic®** Acrylic Primer/Sealer
- 2 coats **Liquid Ceramic®** High Build

Poured Concrete, Stucco:

- 1 coat **Liquid Ceramic®** High pH Primer
- 2 coats **Liquid Ceramic®** High Build

Brick:

- 1 coat **Liquid Ceramic®** Acrylic Primer/Sealer
- 2 coats **Liquid Ceramic®** High Build

Fiber Cement:

- 1 coat **Liquid Ceramic®** High pH Primer
- 2 coats **Liquid Ceramic®** High Build

Other primers may be used upon job inspection.

Surface Preparation

Surface must be clean, dry (under 12% using moisture meter) and sound. All surfaces must be clean and free of contaminants such as form and release agents, dirt, grease, oil, rust, chalk, efflorescence, organic growth, mildew and non-adherent material. Gloss finishes should be sanded or de-glossed. Feather sand rough edges and spot prime bare areas. Any deteriorated or failed sealant and/or patching compound should be removed and replaced. Fill cracks and voids with an elastomeric crack filler. Apply sealants or patching compounds over a primed surface and at a safe level of pH.

Allow a minimum of three (3) days of cure time for new masonry or hot stucco, a seven (7) day cure time for poured in place concrete or a safe pH level below 8.5 prior to application of product. Coatings have a greater resistance against failure when applied to a surface with a lower alkaline level (below 8.5). Clean substrate to remove all form and release agents, dirt, dust, grease and any foreign contaminants. High pH (between 9 and 13) should be primed with **Liquid Ceramic® High pH Primer** or **Liquid Ceramic® Clear Acrylic Primer/Sealer**.

FIBER CEMENT: Fiber cement siding and trim may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 30 days prior to priming and painting. All cracks and opens seams should be caulked to prevent water penetration. Pre-primed board from the manufacturer may not be uniformly or completely sealed. It is recommended that an alkali resistant primer be applied.

TILT-UP or PRE-CAST CONCRETE: New tilt-up or pre-cast concrete should be allowed to cure for 7 days preferably 30 days prior to priming and painting. Moisture content should be less than 12% and a pH less than 13 before priming and painting. Bond breakers and other surface contaminants should be removed as directed by tilt-up manufacturer which can include mechanical methods, cleaners and pressure washing.

PREVIOUSLY PAINTED SURFACES:

SURFACES IN GOOD CONDITION: Sand any glossy areas by brush blasting (SSPC-SP 7-63) and dust clean.

SURFACES IN POOR CONDITION: If paint is old, loose, peeling or badly weathered, repair and clean surface by sanding, brush blasting (SSPC-SP 7-63) or other methods in order to provide a sound surface. Apply a full coat of primer as recommended.

MILDEWED SURFACES: Any existing mildew on the surface must be killed and removed prior to the application of this product. Any mildew not removed may continue to grow through the new finish.

Using a long-handled brush, scrub mildewed surfaces with a mixture of one quart of household bleach and three quarts of warm water. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach / water solution.

General Information

PRECAUTION: For exterior use only. Do not add mineral spirits or other solvents to this product. Do not apply when surfaces or air temperature are below 50°F (10°C). Do not expose to freezing temperatures in storage. Do not use on unpainted ferrous metal. Do not use on staining wood such as cedar, mahogany, or redwood.

LIMITED WARRANTY: The manufacturers liability in connection with the sale of this product extend only to the replacement price if it should fail to comply with quality standards or specifications.

CAUTION: Harmful if swallowed. Contains Acrylic Resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Adequate ventilation required when sanding or abrading the dried film. Always use NIOSH/MSHA TC21C or equivalent.) Goggles are recommended while handling the product. Keep out of reach of children.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or go to www.epa.gov/lead. For chemical emergency call ChemTrec 1-800-424-9300.

PROTECT FROM FREEZING.

SDS: Available upon request.

The information presented on this Technical Data Sheet is based on testing conducted by our factory. No guarantee of accuracy, comprehensiveness, or performance is given or implied. Information and recommendations are subject to change dependent on surface conditions (substrate), weather and method of application. Please consult with a Liquid Ceramic representative or visit LiquidCeramic.com for complete, up-to-date technical information.