



SPEC DATA :

CERAMA-SHIELD

8-25-05

PRODUCT DESCRIPTION: A high performance architectural coating formulated with white semi-transparent microscopic ceramic zeosphere technology in a complex, 100% acrylic suspension, with superior permeability for moisture management along with exceptional endurance and resilience to extreme weather. 9 total (pc's) performance characteristics offer tremendous adhesion and abrasion resistance along with added thermal properties. Cerama-Shield provides significant resistance to cracking, peeling, chipping and oxidization. An extremely durable coating with dynamic pc's for an everlasting finish.

COMPOSITION AND PROPERTIES: A water borne satin finish base with 20 (ai's) active ingredients in a 100% acrylic formula which provides excellent weathering, gloss and color retention. Mildew and algae resistant (on the paint film only). Excellent long-term flexibility and fortitude. Meets Federal regulations for lead and heavy metals, VOC's and existing air-pollution laws.

VEHICLE: 100% Acrylic

SIZES: 300 gallon totes, 5-gallon pails

FINISH: Satin (12-15 % @ 60")

**COLORS:
SYSTEM.** White and tint bases to prepare custom colors from the COLOR TREND

TECHNICAL DATA

VISCOSITY: 120-130 KU'S (KREBS-STORMER)

FLASH POINT: Non-flammable Non-Haz

TOTAL SOLIDS (by weight): 70% (varies with colors)

TOTAL SOLIDS (by volume): 55% (varies with colors)

BREATHABILITY: 21 perms

ELONGATION: 150% With 100% Memory

VOC LEVEL: Under<101 g/l *Green product

WET FILM THICKNESS: Recommended wft: 11 mils wet per coat

DRY FILM THICKNESS: Recommended dft: 6 mils per coat

IMPACT RESISTANCE: 40 inch-pounds of impact

OPACITY: 0.98

COVERAGE: 80 sq.ft/gal @ 11 mils wet

PIGMENT/WT: 47.9% by wt
Titanium Dioxide: 18.27%
Calcium Carbonate: 15.83%
Ceramic Zeospheres: 7.9%

Silicas: 5.9%

VEHICLE/WT: 52.1% by wt

Water: 4.6%

100% Acrylic Dispersion: 42.52%

Coalescent and Additives: 4.98%

APPLICATION

SURFACE

PREPARATION: MPI standards to be used on all surfaces. Substrate should be clean, dry and sound, free of oil, grease, loose or peeling paint, and other foreign substances. View MPI standards at www.paintinfo.com

NEW SURFACES: **Concrete, stucco, structural block** and weathered **asbestos shingles** - prime with Wallcoat Tio2 Primer. **Wood** - countersink nail heads. Caulk nail heads and joints or cracks with Wallconizer caulk. Shellac all knots and sap streaks. Sand rough areas and wipe clean. Prime entire surface with Wall-Coat Ceramic Primer. **Steel** - prime with HARRIS Metal Primer. **Galvanized Steel or Aluminum** - clean with solvent and prime with HARRIS Galvanized Metal Primer.

PREVIOUSLY: Can be used over oil or latex painted surfaces.

PAINTED SURFACES: Surface must be clean, dry and sound to obtain proper adhesion.

SURFACES IN

GOOD CONDITION: Sand any glossy areas and dust clean. Wipe away dirt and chalk. Clean and spot prime any failed areas. Use soap and water on overhead areas such as eaves and ceilings to remove invisible residues, a major cause of peeling in these areas. Rinse clean and allow drying.

SURFACES IN

POOR CONDITION: Remove heavy chalk by scrubbing with soap and water. Wash under eaves at time. Rinse clean and allow drying. Prime the complete area as recommended under NEW SURFACES.

MILDEWED SURFACES: This coating contains a fungicide and algaecide system, which is designed to resist mildew and algae growth on dried paint film itself. Any existing mildew or algae on the surface must be completely eliminated and removed prior to the application of any product, including this paint. Any mildew or algae not removed may continue to grow through the new finish. Scrub with a solution of 16 oz. of liquid household bleach and 2 oz. of liquid detergent per gallon of water and let stand for 20 minutes. Rinse clean and let dry. Prime the entire area as recommended.

METHOD OF

APPLICATION: Brush, lambskin 3/8"(9.52 mm) nap roller or spray. Two coats are recommended on all surfaces for best results and full-gloss development.

THINNING: Not normally recommended, but if necessary, add water up to 1/2 pint per gallon. Do not mix with solvent or solvent thinned paints.

DRY: Set to touch in 15-30 minutes at 77°F and 50% R.H. Allow three (3) hours drying time to recoat.

CLEAN UP: Wipe off drips and spatters with a cloth wet with soap and water. Clean equipment with soapy water.

PRECAUTIONS: Do not apply if temperature of air or surface is below 50°F (10°C). Stop painting at least two (2) hours before you expect dew to form, rain or the temperature to drop. **KEEP FROM FREEZING!**

CAUTION: Do not take internally. Close container after each use.

KEEP OUT OF THE REACH OF CHILDREN!

OFFICIALLY SIGNED AND DATED DOCUMENT

X _____

DATE _____