



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 450 SERIES

SIGNATURE SERIES 100% ACRYLIC CERAMIC
WALL SHIELD SEMI-GLOSS WALL FINISH

PRODUCT DESCRIPTION

Richard's Signature Series Ceramic Wall Shield Semi-Gloss Wall Finish is a specially formulated, 100% acrylic interior finish coating that utilizes new technologies incorporating the use of "Ceramic Microspheres". By combining new generation acrylic resins with ceramics, we have created a coating that provides an excellent dirt and stain barrier, which enhances the products overall strength and durability. Its rich semi-gloss finish offers excellent adhesion, coverage, scrub resistance, toughness, and is "Low Odor" and "Low VOC". This allows for application to a variety of surfaces and environments where health concerns are a factor, such as Hospitals, Office Complexes, Schools, Government Buildings, Hotels/Motels, etc. **FOR INTERIOR USE ONLY!**

SUGGESTED PRODUCT USES

SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED INTERIOR SUBSTRATES:

**DRYWALL * PLASTER * GYPSUM DRYWALL * CEILINGS * WOOD WORK * WOOD & METAL DOORS * MASONRY
KITCHENS & BATHROOMS * KIDS ROOMS * CEMENT * CINDER BLOCK * ALUMINUM * GALVANIZED METALS**

PRODUCT FEATURES

**100% ACRYLIC FORMULA * CERAMIC MICROSPHERE TECHNOLOGY * EASY TO APPLY * EXCELLENT STAIN RESISTANCE
EXCELLENT DURABILITY * SEMI-GLOSS FINISH * EXCELLENT ADHESION * EXCELLENT COVERAGE
LOW ODOR * LOW VOC * PRODUCT VERSATILITY * ENVIRONMENTALLY SAFE!**

PRODUCT SPECIFICATION DATA

* COLORS:	White & Tint Bases
* FINISH:	Semi-Gloss
* FLASH POINT:	214° F.
* METHOD USED:	T.C.C.
* COATING V.O.C.:	0.42 LB/GAL. - (50 GRAMS/LTR.)
* SOLIDS:	By Volume: 37.37% ± 2% By Weight: 50.40% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.6 mils - (Estimated at 350 Square Feet Per Gallon). Dry: 1.7 mils - (Estimated at 350 Square Feet Per Gallon)
* ESTIMATED COVERAGE:	Covers approximately 300 - 400 square feet per gallon, depending on the type of application and the porosity of the substrate.
* CLEAN UP:	Warm Soapy Water
* THINNING:	Clean Water
* ESTIMATED DRY TIME:	Dries to the touch in approximately 30 minutes to 1 hour, for recoat in 4 - 6 hours or after allowing to dry overnight, depending on conditions.

PRODUCT ANALYSIS DATA

PIGMENT: 24.09%

VEHICLE: 75.91%



MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound and free from all dirt, dust, grease, oils, waxes, mildew and any other surface contaminants. Remove any loose scale, chalked, cracked and peeling paint from previously painted substrates by hand scraping, sanded, wire brushing or power tool cleaning methods, such as electric sanders, grinders, etc. Repair/replace all damaged, delaminated and surface imperfections with the proper patching compounds or building materials. Lightly sand smooth all rough paint edges to adjacent surface area. Glossy surfaces should be properly dulled. Prime all bare and/or new surface areas with the Manufacturer’s properly specified primer/sealer compatible to the surface and before application of finish coating.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer’s application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

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 log on to www.epa.gov/lead.

PRODUCT APPLICATION

Signature Series Ceramic Wall Shield may be easily applied with a quality brush, roller, or airless spray equipment. Stir thoroughly before and during application. For best results, it is recommended to apply two (2) finish coats. When applying by brush, apply a smooth and generous coat application on smaller surface areas, such as painting trim or cutting-in larger surface areas. When applying by roller, apply an even and generous coat application in an “W” or crisscross motion, avoiding any excessive respreading or reworking. Always maintain a wet edge by rolling/brushing into previously applied coating area. When applying by airless spray equipment, it is recommended to use a unit with a minimum of 2000 psi of pressure with a 0.017 - 0.019 fluid spray tip. It is also recommended to back-roll the surface area during spray application to insure proper adhesion and an even coat application. If applying two finish coats, allow to dry thoroughly between application of finish coats. Apply when surface and ambient temperatures are above 55°F and below 90°F. **KEEP FROM FREEZING!**

PRECAUTIONS

CAUTIONS: KEEP OUT OF REACH OF CHILDREN! Avoid prolonged contact with skin and breathing of dust, vapors and spray mists. Avoid contact with eyes. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer’s directions for use. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of soap and water. In case of eye contact, flush with plenty of water for at least 15 minutes, and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

MIXING INSTRUCTIONS & PACKAGING

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!** However, if thinning is required, you may add **Clean Water** up to ½ pint per gallon.

* **Pint Cans:** N/A

* **Quart Cans:** 6 Per Case

* **Gallon Cans:** 4 Per Case

* **Two Gallon Cans:** N/A

* **Five Gallon Cans:** N/A

* **Weight Per Gallon:** 10.56 lbs.

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