



PRO INDUSTRIAL

PRE-CATALYZED

WATERBASED EPOXY SEMI-GLOSS

K46 SERIES

<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>Pro Industrial Precatalyzed Waterbased Epoxy is a revolutionary, single-component pre-catalyzed waterborne acrylic epoxy that offers the adhesion, durability and resistance to stains and most cleaning solvents usually characteristic of two-component waterborne acrylic epoxy products.</p> <p>This product is low in VOC, has a very mild odor, and can be applied over a wide variety of primers on properly prepared interior metal, wood, masonry, plaster and drywall.</p> <ul style="list-style-type: none"> Interior institutional/commercial high maintenance areas Upgrade surfaces painted with conventional coatings with a high performance protection system with excellent adhesion Corrosion and Chemical resistant Hospitals and Schools Institutional dining and kitchen areas Suitable for use in USDA inspected facilities 	<p>Block 1 ct. Loxon Block Surfacers 2 cts. Pro Industrial Precatalyzed Epoxy</p> <p>Drywall 1 ct. PrepRite 200 Latex Primer 2 cts. Pro Industrial Precatalyzed Epoxy</p> <p>Plaster 1 ct. PrepRite Wall and Wood Primer or PrepRite Masonry Primer 2 cts. Pro Industrial Precatalyzed Epoxy</p> <p>Masonry 1 ct. PrepRite Masonry Primer 2 cts. Pro Industrial Precatalyzed Epoxy</p> <p>Steel, Aluminum, Galvanized 1 ct. DTM Acrylic Primer 2 cts. Pro Industrial Precatalyzed Epoxy</p> <p>Wood 1 ct. PrepRite Wall and Wood Primer or PrepRite Classic Primer 2 cts. Pro Industrial Precatalyzed Epoxy</p>
<u>SPECIFICATIONS</u>	<u>PERFORMANCE</u>
<p>Color: most colors</p> <p>Coverage: 350 - 400 sq ft/gal 4.0 mils wet; 1.5 mils dry</p> <p>Drying Time, @ 77°F, 50% RH: temperature and humidity dependent Touch: 1 hour Recoat: 8 hours If this product dries 72 hours or longer it must be sanded before it is recoated. This product is fully cured in approximately 5 - 7 days.</p> <p>Finish: 55 - 65 units @ 60°</p> <p>Flash Point: N/A</p> <p>Tinting with Blend-A-Color:</p> <p>Use SherCOLOR Formulation System</p> <p>Vehicle Type: Acrylic Epoxy K46W00051</p> <p>VOC (less exempt solvents): 174 g/L; 1.45 lb/gal</p> <p>Volume Solids: 37 ± 2%</p> <p>Weight Solids: 50 ± 2%</p> <p>Weight per Gallon: 10.4 lb</p>	<p>System Tested Substrate: Steel Surface Preparation: SSPC-SP6 1 ct. DTM Acrylic Primer 2cts. PreCatalyzed Epoxy Eg-Shel</p> <p>Adhesion ASTM D 3359 5B 100% Adhesion for light colors; Darker colors require longer cure time for same level of adhesion</p> <p>Abrasion Resistance ASTM D 4060 74.4 mg loss CS-10 Wheels 1000 Gram load, 1000 cycles</p> <p>Pencil Hardness ASTM D 3363 2B</p> <p>Permeability Rating AD/TS 2002.27A, Dry Cup 2.0 metric perms @ 1.3 - 1.5 mils DFT</p> <p>Direct Impact Resistance ASTM D 2794 >100 inch - lbs.</p> <p>Block Resistance Lab Assessment Excellent</p> <p>Scrub Resistance ASTM D 2486 500-600 cycles with Stiff Bristle Brush and Pumice Scrub Media</p> <p>Chemical Resistance ASTM D 1308 Rating: Excellent Resistance • Limited Resistance x Distilled Water (Hot and at Room Temperature) • Ethyl Alcohol • Vinegar (3% acetic acid) • Alkali (10% Sodium Hydroxide) • Acid (10% Sulfuric Acid) • Soap (10% Fantastik®) • Fruit (orange) • Butter • Olive Oil • 50/50 Xylene/Mineral Spirits •</p> <p>Stain Resistance ASTM D 3023 Rating: Excellent Resistance • Limited Resistance x Mustard • Grape Juice • Red Crayon x Yellow Crayon • Blue Crayon • Lipstick, Red • Iodine x Shoe Polish • Washable Ink • Permanent Ink • Coffee • 10% Sodium Hydroxide (alkali) • Acetic Acid •</p>

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**SHERWIN
WILLIAMS.**

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination including mildew by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with PrepRite® ProBlock® Primer Sealer.

Aluminum and Galvanized Steel - Remove any oil, grease, or other surface contamination. Remove all corrosion with sandpaper, steel wool, or other abrading method.

Drywall - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block - All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with PrepRite® Masonry Primer.

SURFACE PREPARATION

Plaster - Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel

Rust and mill scale must be removed using sandpaper, steel wool, or other abrading method. Bare steel must be primed the same day as cleaned.

Wood

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Caulking

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

APPLICATION

Apply at temperatures above 50°F.

No reduction needed.

Brush

Use a nylon/polyester brush.

Roller

Use a 1/4" - 1/2" nap synthetic cover.

Spray—Airless

Pressure 1800-2700 psi

Tip015"-.018"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For interior use only.

Non-Photochemically Reactive

Protect from freezing.

This product is **NOT** recommended for floors or for submerged surfaces, or in areas subject to continuous high moisture such as shower stalls (two-component solvent-based, conventional epoxy products or possibly "wet surface" specialty epoxy products are recommended for these areas).

LABEL CAUTION

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**

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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.