



S60 WATER-BASED EPOXY MAINTENANCE COATING

DESCRIPTION

The S60 Water-based Epoxy Maintenance Coating is a zero VOC[†], zero HAP, very low odor, two component, water-based epoxy.

This water-based epoxy finish is designed for general maintenance use in a moderate industrial environment. It can be used on steel, non-ferrous, concrete, masonry, and previously coated surfaces. Since this coating is very low odor during application, it is ideal for use in schools, healthcare facilities, food service areas, office buildings, hotels or in any area where odors are an issue. The durable epoxy finish is ideal for walls and other surfaces subjected to frequent wash downs and cleaning. This coating is not suitable for continuous water immersion service. On steel surface use Sierra S70/S71 Water-based Epoxy Primer to optimize corrosion protection. Meets requirements of USDA FSIS Directive 11,000.4.



The Sierra S60 meets the Green Seal[™] environmental standard for paints and coatings based on performance requirements and reduced use of hazardous substances and reduced volatile organic compounds (VOCs).

APPEARANCE: High gloss finish.

PRODUCTS

1-Gallon	Description
248277	Stone Gray (Part 2 base component)
248278	Almond (Part 2 base component)
248279	OSHA Safety Red (Part 2 base component)
248280	OSHA Safety Yellow (Part 2 base component)
248281	Oyster White (Part 2 base component)
248282	Black (Part 2 base component)
248283	OSHA Safety Blue (Part 2 base component)
248273	White Pastel Tint Base (Part 2 base component)
248274	Tint Base (Part 2 base component)
248275	Deep Tint Base (Part 2 base component)
248276	Accent Tint Base (Part 2 base component)
248284	Activator (Part 1 component)

PACKAGING

The standard colors are packaged in kits. Each kit contains a short filled gallon of base component (Part 2) and a short filled gallon of #248284 activator (Part 1). When combined the final yield is one full gallon. Order product by kit number.

PACKAGING (cont.)

Kit Number	Contains one short-filled gallon of each
248285	248277 Stone Gray & 248284 Activator
248286	248278 Almond & 248284 Activator
248287	248279 OSHA Safety Red & 248284 Activator
248288	248208 OSHA Safety Yellow & 248284 Activator
248289	248281 Oyster White & 248284 Activator
248290	248282 Black & 248284 Activator
248291	248283 OSHA Safety Blue & 248284 Activator

The tint bases are packaged separately in short filled gallons, two units in a carton. The 248284 Activator (Part 1) is also sold separately in short filled gallons, two units in a carton.

COMPANION PRODUCTS

RECOMMENDED PRIMER

S70/S71 Water-based Epoxy Primer

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: If excessive time has elapsed since the primer was applied, remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength[®] Cleaner/Degreaser item #3599402, commercial detergent or other suitable cleaner. Mold and mildew areas must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

STEEL: Apply to a properly primed or previously painted surface. See primer labels and technical data sheet for correct surface preparation and application procedures. Galvanized steel, aluminum, and other non-ferrous metals require an appropriate compatible primer to ensure proper adhesion.

CONCRETE AND MASONRY: Hand or power tool clean to remove all loose or unsound concrete, masonry, or previous coating. Very dense, non-porous concrete should be acid etched or abrasive blasted to remove the laitance layer and create a surface profile. Allow new concrete to cure for 30 days before coating.



TECHNICAL DATA

S60 WATER-BASED EPOXY MAINTENANCE COATING

PRODUCT APPLICATION (cont.)

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. The S60 Water-based Epoxy is compatible with most coatings, but a test patch is suggested. **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. Carefully clean up with a wet mop or HEPA vacuum. For additional information contact the U.S.EPA/Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

Apply only when air and surface temperatures are between 50°-100°F (10°-38°C) and surface temperature is at least 5°F above dew point. Ensure fresh air entry during application and drying.

TINTING

The S60 tint bases can be tinted with Rust-Oleum 2030 Water-based Colorants or other high quality water-based universal colorants, however these colorants will slightly increase VOC, but if used at the recommended levels, the VOC will not exceed 100 g/l. Use Evonik COLORTREND® PLUS 802 colorants to maintain zero VOC.

White Pastel Base accepts 2 oz. of tint

Tint Base accepts 4 oz. of tint

Deep Base accepts 8 oz. of tint

Accent Base accepts 12 oz. of tint

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic bristle brush.

ROLLER: Use a good quality synthetic nap.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atom Pressure
Pressure	0.055-0.070	12-16 oz./min.	40-60 psi
Siphon	0.055-0.070	—	40-60 psi
HVLP (var.)	0.043-0.070	8-10 oz./min.	10 psi at tip

Air cap for highest pressure

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2000-3000 psi	0.013-0.017	100

PRODUCT APPLICATION (cont.)

THINNING

If needed, thin with fresh water. Do not exceed 4 fl. oz./gal.

MIXING

Premix Part 2 base component to re-disperse settled pigment before adding Part 1 activator component. Thoroughly mix for 3-5 minutes.

CLEAN-UP

Clean up with soap and water and dispose of all waste material in a proper manner and in accordance with local waste regulations. Consult with local environmental regulations for appropriate method of disposal and/or recycling of paint and empty container.

PERFORMANCE CHARACTERISTICS

ALKALI RESISTANCE

METHOD: ASTM D1308

RESULT: No effect

TABER ABRASION/ABRASION RESISTANCE

METHOD: ASTM D4060, CS-17 wheels, 1000 gram load, 1000 cycles

RESULT: Wear index 117, (117 mg loss)

GLOSS AT 60°

METHOD: ASTM D523

RESULT: 80-85%

APPLICABILITY

METHOD: ASTM D7073

RESULT: Passed

WASHABILITY

METHOD: ASTM D4828

RESULT: 9

SCRUB RESISTANCE

METHOD: ASTM D2486

RESULT: >2,000 cycles

PENCIL HARDNESS

METHOD: ASTM D3363

RESULT: 3H

TECHNICAL DATA

S60 WATER-BASED EPOXY MAINTENANCE COATING

PHYSICAL PROPERTIES

Resin Type		100% Epoxy
Pigment Type		Varies with color
Solvents		Water
Weight*	Per Gallon	9.0-12.5 lbs.
	Per Liter	1.1-1.5 kg
Solids*	By Weight	59.5%
	By Volume	50%
Volatile Organic Compounds*		0.0 [†] g/l
Recommended Dry Film Thickness (DFT) Per Coat		2-3 mils (50-75μ)
Wet Film to Achieve DFT		4-6 mils (100-150μ)
Theoretical Coverage at 1 mil DFT (25μ)		800 sq. ft./gal. (19.7 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss) Use this value as material quantity estimate		230-340 sq. ft./gal. (5.7-8.4 m ² /l)
Mixing Ratio		2:1 Part 1 to Part 2 by Volume
Induction Period**		None
Pot Life @ 70°-80°F		2 hours
Dry Heat Resistance		250°F (121°C), color may shift above 150°F (66°C)
Dry Times at 70°-80°F (21°-27°C) and 50% rel. hum.	Tack-free	30 minutes
	Recoat	1-3 hours
Shelf Life		3 years for Part 2, 2 years for Part 1
Safety Information	Formulation	Lead-free/Solvent-free
	Warning!	PROTECT FROM FREEZING. IF PRODUCT SHOULD FREEZE, ALLOW THE MATERIAL TO WARM UP AND REMAIN AT NORMAL ROOM TEMPERATURE FOR 48 HOURS PRIOR TO USE. MIX BY HAND STIRRING.

*Activated material.

**For brush and roller applications, a 15 minute set time is recommended.

[†]Tested in accordance to ASTM D6886. Tinting with some colorants may add minor amounts of VOC.

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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