Technical Product Data

62 Series
Medium Build Modified Epoxy Primer

DESCRIPTION

Surface tolerant zinc phosphate epoxy primer
Interior and exterior surfaces above the waterline
Adhesion to a wide variety of substrates
Excellent Corrosion Resistance
Spray, brush or roll application
Low VOC, UV resistant
Sandable

TECHNICAL DATA

AVAILABLE COLORS	#62W320 White, #62A210 Gray, #62B154 Black
% SOLIDS by volume	60% as packaged, 54% as applied
SPRAYABLE VOC as applied	100 g/l (less water & exempt compounds)
COMPONENTS	62 Series Medium Build Primer (resin) 3 parts 62C308 Primer Converter (cure) 1 part
POT LIFE	3 hours @ 70° F, 21° C
SHELF LIFE	one year (unopened)
REDUCERS	optional: use PR-106 Reducer
FLASH POINT	65° F, 18° C
MIX RATIO	3:1 (3 parts primer : 1 part converter)
RECOMMENDED DRY FILM THICKNESS	2.0 mils to 6.0 mils
THEORETICAL COVERAGE	433 – 144 sq. ft. at recommended DFT (theoretical)

SURFACE PREPARATION

62 Series Primer may be applied over properly prepared substrates including carbon steel, aluminum, galvanized steel, coated surfaces, concrete and wood. Good painting practices require that before applying coatings a test or mock-up be performed to ensure that adhesion, appearance and color meet the expectations of the owner. Coating performance is proportional to the degree of surface preparation performed. All surfaces must be clean, dry and free of oil, grease, dirt, salt deposits or other contamination. Recommended preparation is as follows:

Steel – Clean the surface of all foreign material. Oceanair's #OC2150 Metal Conditioner may be used to clean and treat steel substrates to eliminate oil, soap film, grease, and flash rusting.

Aluminum - Remove all contaminants and abrade using hand tool, power tool or sweep blast to obtain a profile equivalent to 220 grit sandpaper.

Galvanized Steel – Remove all contaminants, check for the presence of chromates or other passivation treatments. If passivation treatment exists, brush-off blast cleaning required. Complete removal of chromates or other passivating treatments is a must.

Concrete – Surface must be cured, clean, dry, free of contamination and disintegrated or chalky materials.

Coated Surfaces – On previously coated surfaces, ensure that the existing coating is properly and fully bonded to the substrate. Physically abrade the existing coated surfaces thoroughly and completely with 180 to 240 grit or equivalent abrasive paper or scuff pad. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

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4500 Williams Dr Suite 212-269 Georgetown, TX 78633
512.688.7607
www.oceanaircoatings.com

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INSTRUCTIONS – MIX RATIO

Stir or shake thoroughly to ensure uniform mixture. Mix 3 parts 62 Series resin with 1 part #62C308 Converter.

Reduction is not necessary. However, activated primer may be reduced up to 10% by volume using PR-106 or TR-105 VOC Exempt Reducer.

APPLICATION

Environmental Conditions: Air and surface temperature must be above 50^0 Fahrenheit and no more than 95^0 Fahrenheit. Surface temperature must be at least 5^0F (3^0C) above the dew point.

Application: Apply using 40-55 PSI at the gun for siphon and gravity feed spray guns, 10 PSI max. for HVLP spray guns. Apply 1-3 medium wet coats until desired coverage and flow is reached. Allow a 10 to 20 minute flash time between coats. Recommended film thickness is 2.0 to 6.0 mils DFT. May be brushed or rolled. Use a natural bristle brush or ¼ inch to ¾ inch nap, phenolic core roller.

SPRAY GUN SET-UP & PRESSURE

Type	Fluid Tip	Spraying Pressure
Siphon Feed	1.4mm – 1.7mm	40-65-PSI
Gravity Feed	1.3mm – 1.4mm	40-65 PSI
HVLP Siphon	1.6mm – 1.8mm	max. 10 PSI @ the air cap
HVLP Gravity	1.3mm – 1.5mm	max. 10 PSI @ the air cap
Pressure Pot	1.1 mm- 1.3 mm	29 PSI - 58 PSI
Airless Spray	Double Orifice 415 through 517 Tips	

ROLLER AND BRUSH APPLICATION

Brush – natural bristle
Roller – 1/4 to 3/8 inch nap, mohair or no-lint cover with a phenolic core
We do not recommend foam roller application

DRY TIMES

Dry times @ 70˚F (21˚C) and 50% RH

Dust Free	5 minutes
Tack Free	1 hour
Dry Time	24 hours
Recoat	May be recoated after 1 hour. Sanding or light abrasion may be necessary after 72 hours.

CLEAN UP

Clean all spray equipment immediately after use. Acetone may be used to clean application equipment. #OC2153 Gun Cleaner is a VOC exempt cleaner and is recommended for cleaning application equipment used to apply the 62 Series Medium Build Primer system.

Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin.

DISCLAIMER: *The technical information and suggestions for use have been compiled for your guidance and usage. Such information is based on Oceanair Coatings experience and research and is believed to be reliable. As Oceanair Coatings has no control over conditions in which the product is used, stored, or otherwise handled, the above information does not constitute a warranty. Buyers must assume responsibility for the suitability of the product for their purposes.*

PERFOMANCE DATA

TEST METHOD	SYSTEM (7 day, ambient temp. cure)	RESULTS

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ASTM D-3359 Adhesion	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils DFT 62 Series Primer 1.6 mils DFT 75 Series Topcoat	100% retention (no tape off)
ASTM D-4587 QUV Resistance Accelerated Weathering	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils DFT 75 Series Topcoat	Gloss - 98% retention after 2012 hours delta E color change - 0.33 after 2012 hours No blistering, rusting, checking or cracking
ASTM B-117 Salt Fog	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils 75 Series Topcoat	No face corrosion nor blistering after 1000 hours
ASTM D-2287 Humidity Resistance	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils 75 Series Topcoat	No blistering, cracking, softening or delamination after 1000 hours
ASTM D-1308 Chemical Resistance 24 hour spot test	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils 75 Series Topcoat	87 octane unleaded gasoline - rating 5 no effect 10% Sulfuric Acid - rating 5 no effect
ASTM D-5402 Chemical Resistance solvent rubs	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils 75 Series Topcoat	Xylene - 200 double rubs no effect Methyl ethyl ketone (MEK)-200 double rubs no effect 87 octane unleaded gasoline - 200 double rubs no effect.
ASTM D-522 Flexibility	Cold Rolled Steel Solvent wipe 2150 Metal Conditioner 2.7 mils 62 Series Primer 1.6 mils 75 Series Topcoat	180 degree bend, 1/4" mandrel - pass

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