



TILE-CLAD[®] HS EPOXY

B62WZ0100 Ultra White
B62WZ0113 Deep Base
B62BZ0011 Black
B62YZ0037 Safety Yellow
B60VZ0070 Gloss Hardener
B60VZX070 MR-Gloss Hardener

B62WZ0111 Extra White
B62TZ0104 Ultradeep Base
B62RZ0038 Safety Red
B62EZ0039 Safety Orange
B60VZ0075 Eg-Shel Hardener

As of 07/25/2017, Complies with:			
OTC	No	LEED [®] 09 NC, CI	No
OTC Phase II	No	LEED [®] 09 CS	No
SCAQMD	No	LEED [®] 09 S	No
CARB	No	LEED [®] v4 Emissions	No
CARB SCM 2007	No	LEED [®] v4 VOC	No
Canada	No	MPI	Yes

CHARACTERISTICS

TILE-CLAD HIGH SOLIDS is a two-component, epoxy-polyamide coating for use in industrial maintenance environments and high performance architectural applications.

Features:

- Chemical resistant
- Impact and abrasion resistance
- B60VZX70 Hardener-helps resist film attack by mildew

For use on properly prepared:

- Steel
- Galvanized & Aluminum
- Concrete/Masonry
- Wood

Recommended for use in:

- Power plants
- Laboratories & lavatories
- Institutional kitchens
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & Kitchens
- Suitable for use in USDA inspected facilities

Flash Point: 85°F TCC

Tinting with Maxitoner or BAC into Part A:

Base	oz/gal	Strength
Extra White	0 - 10	200%
Deep base	4 - 24	200%
Ultradeep	10 - 22	200%

Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Shelf Life: Parts A & B 36 months, unopened
B60VZX070 12 months, unopened

Mix Ratio: 2 components, premeasured 1:1

Finish: Gloss & Eg-Shel

Gloss Extra White B62WZ0111/B60VZ0070
 (may vary by base)

VOC: (mixed less exempt solvents)
 378 g/L - 3.16 lb/gal
 (as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 56 ± 2%

Weight Solids: 70 ± 2%

Weight per Gallon: 10.62 lb/gal

Flash Point: 83°F TCC

SPECIFICATIONS

Color: Wide range of colors available, including safety colors

Recommended Spread Rate per coat: Gloss Extra White B62WZ0111/B60VZ0070

(may vary by base)

wet mils:	4.0 - 7.0
dry mils:	2.2 - 3.9
coverage:	408- 230 sq ft/gal approximate

Theoretical coverage: 898 sq ft/gal @ 1 mil dry

Drying Schedule @ 4.0 mils wet, 50% RH: Drying time is temperature, humidity, and film thickness dependent.

	@ 55°F/12.8°C	@ 77°F/25°C	@ 110°F/43°C
To touch:	3 hours	1 hour	20 minutes
Tack free:	6 hours	2 hours	30 minutes
Minimum recoat:	6 hours	2 hours	30 minutes
Maximum recoat*:	30 days	30 days	30 days
To stack:	18 hours	16 hours	3 hours
To cure:	21 days	14 days	7 days
Pot Life:	4 hours	4 hours	2 hours
Sweat-in-time:	1 hour	30 minutes	10 minutes

*If maximum recoat time is exceeded, abrade surface before recoating.

RECOMMENDED SYSTEMS

Steel & Rusted Galvanized, acrylic primer:

1ct. Pro Industrial Pro-Cryl Primer

2cts. Tile-Clad HS Epoxy

Steel alkyd primer:

1ct. Kem Bond HS

2cts. Tile-Clad HS Epoxy

Steel epoxy primer:

1ct. Recoatable Epoxy Primer

2cts. Tile-Clad HS Epoxy

Aluminum:

1ct. DTM Wash Primer

2cts. Tile-Clad HS Epoxy

Galvanized Metal:

2cts. Tile-Clad HS Epoxy

Concrete Block:

1ct. Pro Industrial Heavy Duty Block Filler

2cts. Tile-Clad HS Epoxy

Masonry/Smooth:

2cts. Tile-Clad HS Epoxy

Wood, Interior including floors:

2cts. Tile-Clad HS Epoxy

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

System: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP6/NACE 3

Finish: Tile-Clad HS Epoxy— @ 3.0 mils dft/ct (unless otherwise noted)

Abrasion Resistance:

Method: ASTM D2486 with abrasive

Results: >500 cycles

Adhesion¹:

Method: ASTM D4541, >400 psi

Results: Pass

Fineness of Grind²:

Result: 5.5 Hegman minimum

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F

Flexibility:

Method: ASTM D522, 180° bend,

1/4" mandrel

Result: Passes

Impact Resistance¹:

Method: ASTM D2794, 53 in/lb

Result: Pass

Sag Test²:

Method: ASTM D4400

Result: 12 mils minimum

Viscosity²: 90-100

¹ 1 ct. Dura-Plate 235, 1 ct. Tile-Clad Epoxy ² Standard test based on Certificate of Analysis



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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.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Remove all weld spatter and round all sharp edges by grinding to a minimum of ¼" radius. Prime any bare steel within 8 hours or before flash rusting occurs. Primer required.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Drywall - Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Primer required.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete and Masonry- For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F before filling and concrete and mortar must be cured at least 28 days @ 75°F. If required for a smoother finish, use the recommended filler/surfacer. The filler/surfacer must be thoroughly dry before topcoating per manufacturer's recommendations. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface.

Wood - Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the cans. Then combine one part by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated. Re-stir before using. If reducer solvent is used, add only after both components have been thoroughly mixed, after sweat-in.

Do not apply the material beyond recommended pot life.

Do not mix previously catalyzed material with new.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Excessive film build, poor ventilation, and cool temperatures may cause solvent entrapment and premature coating failure. Insufficient ventilation, incomplete mixing, miscatalyzed, moisture and external heaters may cause premature yellowing.

No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

APPLICATION

Refer to the SDS sheet before use

Temperature: 55°F/12.8°C minimum
110°F/43°C maximum
(Air, surface, and material)
At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions. Excessive reduction of material can affect film build, appearance, and adhesion.

Reducer/Clean Up: Reducer#54,R7K54,R6K25

Airless Spray

Pressure..... 2400 psi
Hose..... 3/8" ID
Tip019"
Filter 60 mesh
Reduction: R7K54 As needed up to 10% by volume

Conventional Spray

Gun Binks 95
Fluid Nozzle 66
Air Nozzle 69 PB
Atomization Pressure 60 psi
Fluid Pressure 20 psi
Reduction: R7K54 As needed up to 10% by volume

Brush

Brush..... Nylon / polyester/natural bristle
Reduction: R6K25 As needed up to 10% by volume

Roller

Cover...1/4"-3/8" woven solvent resistant core
Reduction: R6K25 As needed up to 10% by volume

If specific application equipment is not listed above, equivalent equipment may be substituted.

Quik-Kick Epoxy Accelerator is acceptable for use.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with compliant solvent.

CLEANUP INFORMATION

Clean tools, spills and spatters immediately with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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