INDUSTRIAL ENAMEL VOC

B54WZ0101 PURE WHITE
B54WZ0113 DEEP BASE
B54TZ0104 ULTRADEEP BASE
B54BZ0011 BLACK
B54EZ0039 SAFETY ORANGE
B54RZ0038 SAFETY RED
B54YZ0037 SAFETY YELLOW

SPECIFICATIONS

Color: Pure White, Deep Base, Ultradeep Base, Black, Safety Red/Orange & Yellow
Recommended Spread Rate per coat: Pure White B54WZ0101 (varies by base)
- wet mils: 4.0 - 6.0
- dry mils: 1.9 - 2.9
- coverage: 404-265 sq ft/gal approximate

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

Drying Schedule @ 4.0 mils wet, 50% RH:
- To touch: @ 5°F/10°C = 5 hours @ 77°F/25°C = 1-3 hours @ 110°F/49°C = 45 minutes
- To Handle: @ 5°F/10°C = 8 hours @ 77°F/25°C = 4-6 hours @ 110°F/49°C = 2.5 hours
- To recoat: 10 hours
- To cure: 7 days

Drying and recoat times are temperature, humidity, and film thickness dependent.

CHARACTERISTICS

INDUSTRIAL ENAMEL VOC is a medium oil, alkyd, interior/exterior, all-purpose enamel meeting the US National AIM Rule VOC limit criteria for Industrial Maintenance coatings. Designed for new construction and maintenance application uses.

Features:
- Interior/Exterior applications
- High gloss coating
- Easy application properties
- Low temperature application 40°F
- Suitable for use in USDA inspected facilities

For use on properly prepared:
- Steel
- Concrete
- Wood
- Plaster
- Primed aluminum & galvanized steel
- Previously painted

Recommended for use in:
- Interior / exterior
- New construction
- Railings/frames
- Machinery
- Structural steel
- Steel doors
- Steel supports
- Equipment
- Repairs
- Storage tanks
- Bar joists
- Pipe marking
- Fire escapes
- Conveyors

Tinting with BAC or Maxitoner:
Base oz/gal Strength
Pure White 0 - 5 75%
Deep Base 4 - 11 75%
Ultradeep Base 10 - 11 75%

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

Finish:
Pure White B54WZ0101 80°+@60° Gloss

VOC (less exempt solvents) 406 g/L - 3.39 lb/gal
(a per 40 CFR 59.406)

Volume Solids: 48 ± 2%
Weight Solids: 62 ± 2%
Weight per Gallon: 8.83 lb/gal ± 2 lb
Flash Point: 112°F TCC
Shelf Life: 36 months, unopened

As of 08/27/2018, Complies with:
OTC No LEED ® 09 NC No
OTC Phase II No LEED ® CS No
SCAQMD No LEED ® S No
CARB No LEED® v4 Emissions No
CARB SCM 2007 No LEED ® v4 VOC No
Canada No MPI

RECOMMENDED SYSTEMS

Steel & Rusted Galvanized, acrylic primer:
1ct. Pro Industrial Pro-Cryl Primer
2ctxs. Industrial Enamel VOC
Steel alkyd primer:
1ct. Kem Bond HS
1ct. Kem Kromik Universal Metal Primer
2ctxs. Industrial Enamel VOC
Aluminum/Galvanized waterbased primer:
1ct. DTM Wash Primer
Or
1ct. Galvite HS
2ctxs. Industrial Enamel VOC
Concrete Block:
1ct. Pro Industrial Heavy Duty Block Filler
2ctxs. Industrial Enamel VOC

Drywall Interior:
1ct. ProMar 200 Zero VOC Primer
2ctxs. Industrial Enamel VOC
Plaster & Poured Concrete Walls, Interior:
1ct. Loxon Concrete and Masonry Primer
2ctxs. Industrial Enamel VOC
Wood, Exterior:
1ct. Exterior Oil-Based Wood Primer
2ctxs. Industrial Enamel VOC
Wood, Floors:
2ctxs. Industrial Enamel VOC

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-SP2
Finish: Industrial Enamel, B54WZ0101 @ 1.9 mils dft/ct.

Density1:
Result: 8.69-8.99
Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F (discolors)
Exterior Durability:
Result: Good

Fineness of grind1:
Method: Hegman
Result: 6 Hegman minimum
Sag Test1:
Method: ASTM D4400
Result: 8 mils minimum
Viscosity1: 75-85 KU

1 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). Prime any bare steel within 8 hours or before flash rusting occurs.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

**Galvanized Steel** - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When 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. Primer required.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Block Surfacer. The filler must be thoroughly dry before topcoating.

**Masonry** - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICR No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 50 days at 75°F(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. 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. Apply one coat alkali resistant primer, following label recommendations. Primer required.

**Wood** - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

**Previously Painted Surfaces** - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Other substrates may or may not be appropriate. If a specific substrate is not listed above, consult your Sherwin-Williams representative for more information.

**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 paint thoroughly to a uniform consistency with slow speed power agitation prior to use. 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. Deep tinted colors may exhibit burnishing characteristics.

Do not use colorants formulated for interior use only when applying exterior. No reduction of material is recommended as it can affect film build, appearance, and adhesion.

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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.