OPTI-BOND™
MULTI-SURFACE COATING

B50W00100 WHITE

SPECIFICATIONS

Color: White
Recommended Spread Rate per coat: White B50W00100
  wet mils: 3.5 – 6.0
  dry mils: 2.0 - 3.5
Theoretical coverage: 473- 270 sq ft/gal approximate
Drying Schedule @ 4.0 mils wet, 50% RH:
  @ 55°F/13°C: 2 hours
  @ 77°F/25°C: 1 hours
  @ 100°F/38°C: 30 minutes
  To touch:
  @ 55°F/13°C: 2 hours
  @ 77°F/25°C: 1 hour
  @ 100°F/38°C: 30 minutes
  To Handle:
  @ 55°F/13°C: 2.5 hours
  @ 77°F/25°C: 2 hours
  @ 100°F/38°C: 1 hour
  To recoat:
  @ 55°F/13°C: 16 hours
  @ 77°F/25°C: 12 hours
  @ 100°F/38°C: 4 hours
  To cure:
  @ 55°F/13°C: 10 days
  @ 77°F/25°C: 7 days
  @ 100°F/38°C: 3 days

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

CHARACTERISTICS

OPTI-BOND™ Multi-Surface coating is a one-coat, rust-inhibitive, interior/exterior, alkyd finish for ceilings and overhead expanses. Opti-Bond can be directly applied over a variety of surfaces in a single coat to provide uniform color and improved light reflectance. Contains Portland Cement.

Features:
• Interior/Exterior applications
• Corrosion resistant
• Compatible with a variety of substrates
• Suitable for use in USDA inspected facilities

For use on properly prepared:
• Steel
• Concrete/Masonry
• Aluminum & galvanized steel
• Previously painted

Recommended for use in:
• Interior / exterior
• Joists
• Overhead decking
• Beams
• Concrete ceilings
• Conduit

Tinting: DO NOT TINT

Shelf Life: 36 months, unopened
Finish: 0-5°+@85° Flat

AS OF 07/27/2017, COMPLIES WITH:

- OTC Yes
- OTC Phase II No
- SCAQMD No
- CARB No
- CARB SCM 2007 No
- Canada Yes

VOC (less exempt solvents) 319 g/L/2.66 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 59 ± 2%
Weight Solids: 79 ± 2%
Weight per Gallon: 13.16 lb/gal ± .2 lb
Flash Point: 104°F TCC

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
Finish: Opti-Bond, B50W00100 @ 3.0-3.3 mils dft/ct.

Dry Heat Resistance:
Method: ASTM D2485
Result: 170°F -200°F (intermittent)
Density:
Result: 12.90-13.20
Flexibility:
Method: ASTM D522, 180° bend, 1/8° mandrel
Result: Pass
Fineness of grind:
Method: Hegman
Result: 1 Hegman minimum
Sag Test:
Method: ASTM D4400
Result: 9 mils minimum
Viscosity:
Result: 84-90 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 U.S.) 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). Coat 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.
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.

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 Kem Cati-Coat Epoxy Filler/Sealer.
Concrete/Masonry - All masonry must be free of dirt, oil, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ICRI No. 310.29R, CSP 1-3. Pour ed, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Weathered concrete 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. Laitance must be removed.

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, or if this product attacks the previous finish, 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 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 loss 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.

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.