METALASTIC DTM
ACRYLIC MODIFIED ENAMEL
SEMI-GLOSS

B55WZ0611 EXTRA WHITE
B55WZ0613 DEEP BASE
B55TZ0604 ULTRADEEP BASE
B55BZ0600 BLACK

As of 10/05/2018, Complies with:

| OTC | LEED 09 NC, CI | No |
| OTC Phase II | LEED 09 CS | No |
| SCAQMD | LEED 09 S | No |
| CARB | LEED v4 Emissions | No |
| CARB SCM 2007 | LEED v4 VOC | No |

**CHARACTERISTICS**

METALASTIC DTM ENAMEL is a high-build acrylic modified enamel with rust-inhibitive properties for application directly to bare steel. Provides an economical alternative to many maintenance and new construction projects.

**Features:**
- Good gloss and color retention
- Corrosion resistance and finish coat protection in one product
- Easy application properties
- Suitable for use in USDA inspected facilities

**For use on properly prepared:**
- Structural Steel
- Previously painted
- Properly primed aluminum & galvanized steel

**Recommended for use in:**
- Interior / exterior
- New construction
- Railings
- Machinery
- Structural steel
- Steel doors
- Steel decking
- Primer / finish
- Repaints
- Storage tanks
- Bar joists
- Piping
- Fire escapes
- Conveyors

**Tinting with BAC:**

<table>
<thead>
<tr>
<th>Base</th>
<th>oz/gal</th>
<th>Strength</th>
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</thead>
<tbody>
<tr>
<td>Extra White</td>
<td>0 - 6</td>
<td>SherColor</td>
</tr>
<tr>
<td>Deep Base</td>
<td>4 - 14</td>
<td>SherColor</td>
</tr>
<tr>
<td>Ultradeep Base</td>
<td>10 - 14</td>
<td>SherColor</td>
</tr>
</tbody>
</table>

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

**Finish:** 20-40° @ 60° Semi-Gloss

**SPECIFICATIONS**

**Color:**
- Pure White, Deep Base, Ultradeep Base and Black

**Recommended Spread Rate per coat:**
- Pure White B55WZ0611 (varies by base)
  - wet mils: 5.0 – 8.0
  - dry mils: 3.1 - 5.0
  - coverage: 320- 198 sq ft/gal approximate

**Theoretical coverage:**
- 994 sq ft/gal @ 1 mil dry

**Drying Schedule @ 7.0 mils wet, 50% RH:**
- @ 40°F/4.5°C: To touch 3 hours, To handle 10 hours, To recoat 36 hours, To Cure 14 days
- @ 77°F/25°C: To touch 3 hours, To handle 6 hours, To recoat 18 hours, To Cure 7 days
- @ 120°F/49°C: To touch 45 minutes, To handle 1 hour, To recoat 6 hours, To Cure 7 days

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

**RECOMMENDED SYSTEMS**

**Steel, Light Service:**
- 1ct. Metalastic DTM

**Steel, Moderate Service:**
- 2cts. Metalastic DTM

**Steel Alkyd Primer:**
- 1ct. Kem Bond HS
- 1-2ct. Metalastic DTM

**Aluminum & Galvanize Steel Alkyd Primer:**
- 1ct. Kem Kromik Universal Metal Primer
- 1-2ct. Metalastic DTM

**Steel Acrylic Primer:**
- 1ct. Pro Industrial Pro-Cryl Universal Primer
- 1-2ct. Metalastic DTM

**Aluminum & Galvanize Steel Acrylic Primer:**
- 1ct. Pro Industrial Pro-Cryl Universal Primer
- 1-2ct. Metalastic DTM

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: Direct-to-Metal Enamel, B55W00101 @ 3.0 mils dft/ct.

*unless otherwise noted below

**Dry Heat Resistance:**
- Method: ASTM D2485
- Result: 200°F (discolors)

**Flexibility:**
- Method: ASTM D522, method B
- Result: Pass

**Fineness of grind:**
- Method: Hegman
- Result: 6 Hegman minimum

**Pencil Hardness:**
- Method: ASTM D3363
- Result: 3B

**Sag Test:**
- Method: ASTM D4400
- Result: 10 mils minimum

**Viscosity:**
- 100-110 KU

1 Standard test based on Certificate of Analysis

10/2018 www.sherwin-williams.com
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). Coat any bare steel within 8 hours or before flash rusting occurs.

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 abrasing 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.

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.

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. Do not use colorants formulated for interior use only. Surface preparation must be completed as indicated. Excessive reduction of material can affect film build, appearance, and adhesion.

APPLICATION

Refer to the SDS sheet before use
Temperature: 40°F minimum
120°F maximum
(Air, surface, and material)
Relative humidity: At least 5°F above dew point
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.

Reducer/Clean Up
Below 80°F (27°C)......VM&P Naphtha, R1K3
Above 80°F (27°C)..... Hi-Flash Naphtha, R2K5

Airless Spray
Pressure........................................2400 psi
Tip .................................................. .015" ID
Filter .............................................. 60 mesh
Reduction .......................... Not recommended

Conventional Spray
Gun............................................. Binks 95
Fluid Nozzle................................. 63B
Air Nozzle.................................. 63PB
Atomization Pressure ............... 50 PSI
Fluid Pressure ...................... 20-25 PSI
Reduction...As needed, up to 3% by volume

Brush .......................................... Natural Bristle
Roll ........................................ 3/8" woven with solvent resistant core
Reduction...As needed, up to 3% by volume

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

CLEANUP INFORMATION

Clean spills, spatters & tools 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.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW 10/05/2018 B55WZ0611 29 306
HOTW 10/05/2018 B55WZ0613 19 308
HOTW 10/05/2018 B55TZ0604 21 314

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