Mascoat WeatherBloc-HRC

**Substrates & Surface Protection**

**Surface Prep**
Surface should be clean, dry, and free of foreign matter. Surface prep can be used to NACE 1-3 (SSPC SP 5-6) when applicable.

**Ferrous Surfaces**
Should be primed prior to application of MWB-HRC Insulating Coating.

**Non-ferrous Surfaces**
The coating can be applied directly to non-ferrous surfaces.

**Concrete and Cement Surfaces**
Surface should be fully cured prior to application of MWB-HRC. Due to the porous nature of concrete/cement, coverage rate variations should be taken into account prior to application. A sealer can be applied prior to WB-HRC, but sealer manufacturer instructions for topcoating should be followed.

**Application Equipment**

**Airless Sprayer**
- **Pump Ratio:** 30:1 or larger
- **Volume:** 1.0 gpm (3.8 lpm) or greater
- **Hose:** 3/8” or larger with no more than 3’ of 1/4” whip. 1/2” hose recommended for length above 50’.
- **Tip Size:** 0.017” (for tight spots) 0.019–0.023” (Normal use)

**Small Spray Application**
Please consult Mascoat for the Small Application Sprayer. This sprayer is excellent for small applications and touch-ups.

**Brush**
Brushing is only recommended for touch-up of less than 0.5 ft² (0.04 m²). Please consult Mascoat for detailed brushing instructions.

**Rolling**
Not recommended for this coating.

**Application Conditions**

**Surface Temperatures**
Surface temperatures for applications should be greater than 50°F (10°C) or above. Lower surface temperatures will increase dry times.

**Applications**
- **Ambient & Cold (60°–120°F, 15°–49°C):** For temperatures (surface or ambient — whichever is lower), an initial tack coat is recommended of 10 mils (0.25 mm or 250 microns). This tack coat will help eliminate sag on vertical wall applications. Tack coat should be dry to touch prior to next pass. Coating can be reapplied after each coat is thoroughly dry.
- **Hot (>140°F, >60°C):** Not recommended

**Application Thickness**
Product can be applied in successive coats to increase insulation ability. There are no upper limitations.

**Dryfall**
Dryfall within a 10 ft radius.
### Other Coating Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>English Value (Metric Value)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclic Salt Fog</td>
<td>Excellent 2000 hrs</td>
<td>ASTM B-117</td>
</tr>
<tr>
<td>UV-A Exposure</td>
<td>Excellent 2000 hrs</td>
<td>ASTM D-5894</td>
</tr>
<tr>
<td>Humidity Cabinet</td>
<td>Excellent 2000 hrs</td>
<td>ASTM D-4858</td>
</tr>
<tr>
<td>QUV</td>
<td>Excellent 2000 hrs</td>
<td>ASTM G-154</td>
</tr>
<tr>
<td>Cross Hatch Adhesion</td>
<td>100% 5 B</td>
<td>ASTM D-3359</td>
</tr>
<tr>
<td>Pull Apart Strength</td>
<td>&gt;280 psi</td>
<td>ASTM D-4541</td>
</tr>
<tr>
<td>Elongation Rate</td>
<td>Above 30%</td>
<td>ASTM D-638</td>
</tr>
<tr>
<td>SRI</td>
<td>108</td>
<td>ASTM E-1980</td>
</tr>
<tr>
<td>Thermal Emittance</td>
<td>0.85</td>
<td>ASTM C-1371</td>
</tr>
<tr>
<td>Solar Reflectivity</td>
<td>0.86</td>
<td>ASTM C-1549</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>Class A</td>
<td>ASTM E-84</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>Class A</td>
<td>ASTM E-84</td>
</tr>
<tr>
<td>Fire Rating</td>
<td>Class A</td>
<td>ASTM E-84</td>
</tr>
</tbody>
</table>

### Mixing & Thinning

**Mixing**

Only a mud mixing paddle should be used. Use 1/2” drill motor to stir contents with paddle. Make sure drill is set to reverse to ensure that the paddle will not mar the bucket’s inner wall. Please consult Mascoat for paddle, if needed. DO NOT MECHANICALLY SHAKE.

**Thinning**

DO NOT THIN unless authorized in writing by Mascoat.

**Pot life**

Coating is one part, so no catalyzation is needed. Pail can be reused if properly sealed.

**Container**

5 gallon pail (18.92 liters)

### Package, Handling & Storage

<table>
<thead>
<tr>
<th>Container Wet (with pail/lid)</th>
<th>English Value (Metric Value)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.5 kg/18.92 liters (32.0 lbs/5 gallon pail)</td>
<td>13.6kg/18.92 liters (30.0 lbs/5 gallon pail)</td>
<td>ASTM E-1980</td>
</tr>
</tbody>
</table>

**Flash Point (Setaflash)**: None

**Storage**

Do not subject wet coating in pail form to freezing conditions. Coating should be kept in a warehouse between 15˚C and 32˚C (60˚F and 90˚F).

**Shelf Life**

18 month shelf life from manufacture date. Do not let product freeze.

### Cure Times

<table>
<thead>
<tr>
<th>Temperature (°F)</th>
<th>Cure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>50–60 (10–15˚C)</td>
<td>60–72 hrs</td>
</tr>
<tr>
<td>61–70 (16–21˚C)</td>
<td>48–60 hrs</td>
</tr>
<tr>
<td>71–80 (22–26˚C)</td>
<td>36–48 hrs</td>
</tr>
<tr>
<td>81–90 (27–32˚C)</td>
<td>20–24 hrs</td>
</tr>
<tr>
<td>91–100 (33–37˚C)</td>
<td>18–20 hrs</td>
</tr>
<tr>
<td>&gt;100 (37˚C)</td>
<td>14–16 hrs</td>
</tr>
</tbody>
</table>

### Cleanup & Safety

**Cleanup**

Equipment may be cleaned with soap & water.

**Safety**

Half-face respirator recommended with ammonia cartridge or better. Eye protection recommended.

**Ventilation**

Recommended for constricted areas.

**Caution**

This material is not for human consumption.

**Clothing**

Safety clothing & gloves are recommended.

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