



## PRODUCT DESCRIPTION

Semi-gloss, one component, aliphatic moisture-cure, polyurethane topcoat. Outstanding exterior weathering performance achieving the technology's highest level of color and gloss retention, abrasion resistance and physical property toughness.

## PRODUCT FEATURES

- Can be applied in damp, cold, humid, or foggy conditions.
- Can be applied at a minimum of 20°F (-7°C) and humidities up to 95%; no dew point temperature differential restrictions.
- Can be applied by brush, roller, or spray.
- Excellent chemical and corrosion resistance.
- Excellent gloss and color retention.
- Excellent abrasion resistance.
  - Protection on steel and concrete surfaces from occasional splashing of chemicals.
- Excellent chalk resistance.
- Ease of graffiti removal.
- Low dirt pick-up or staining.
- Non-yellowing.
- pH range 2 to 12.
- Can achieve high-film-build 4 mils DFT by spray application.

## TECHNICAL DATA

|                                       |                             |                           |                                    |  |            |
|---------------------------------------|-----------------------------|---------------------------|------------------------------------|--|------------|
| <b>Color:</b>                         | Available in many colors    |                           | <b>Specific gravity wt/gallon:</b> | 10.7 -12.7   | 9.5 - 11.5 |
| <b>Gloss:</b>                         | Atmospheric Moisture Cure   |                           | <b>lb/gal</b>                      | 1.28   | 1.53       |
| <b>Type of Cure:</b>                  | Aliphatic Polyurethane      |                           | <b>kg/lt</b>                       | 1.14 - 1.38  |            |
| <b>Binder:</b>                        |                             |                           | <b>Drying time:</b>                | 3 hours  |            |
| <b>Temperature Resistance:</b>        | 325°F (163°C)               |                           | <b>Tack free:</b>                  | 4-6 hours  |            |
| <b>Continuous dry</b>                 | 375°F (191°C)               |                           | <b>To recoat:</b>                  | 24 hours   |            |
| <b>V.O.C.:lbs./gal (grs/lt)</b>       | 2.8 (340)                   | 3.5 (420)                 | <b>Hard dry:</b>                   | Not recommended  |            |
| <b>Solids by volume:</b>              | 67+/-2%                     | 53+/-2%                   | <b>Immerse:</b>                    | 3.78 lts (1 US gal)  |            |
| <b>Solids by weight:</b>              | 79+/-2%                     | 68+/-2%                   | <b>Packaging:</b>                  | 18.93 lts (5 US gal.)  |            |
| <b>Flash Point:</b>                   | Above 24°C (75.2°F)         |                           | <b>Shelf life:</b>                 | 12 months from time of manufacture to initial opening of cans. Avoid storing in temperatures above 29°C (85°F) or direct sunlight. |            |
| <b>microns:</b>                       | 2 - 4                       | 2 - 4                     | <b>Dchlfe:</b>                     | Newly Opened Cans :16 hours Working pot, Spray Application: 6 to 8 hours Working Pot, Brush or Roll application: 4 to 6 hours      |            |
| <b>Maximum Wet Film: mils:</b>        | 50 - 100                    | 50 - 100                  |                                    |  |            |
| <b>Theoretical Coverage at 1 mil:</b> | 1,084 ft <sup>2</sup> /gal. | 854 ft <sup>2</sup> /gal. |                                    |  |            |
| <b>25 microns:</b>                    | 101m <sup>2</sup> /3.78 lt  | 79m <sup>2</sup> /3.78 lt |                                    |  |            |

## 5DPLICATION GUIDE

| Substrate temperature      | Recoat time                                      |            |
|----------------------------|--|------------|
|                            | Minimum  | Maximum*** |
| < 20°F (-7°C) **           | Not recommended to paint below this temperature. |            |
| 20° to 40°F (-7° to 5°C)   | overnight  | 72 hours   |
|                            | 6-12 hours                                       | 48 hours   |
| 50° to 100°F (10° to 38°C) | 4-6 hours  | 48 hours   |



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# MaxStrong HB



## Product Limitations

- Do not exceed recommended wet mils.
- Avoid application over visible droplets or puddles of water or ice formations.
- Dry film thickness limited to 2.0 to 4.0 mils
- Recoating time is very critical. Maximum recoat 48 hours.
- Do not use over unprimed metal surfaces.
- Do not use on exterior exposures where moisture condensation, sweating, puddling, or ponding water persists. Substitute Powermax Clear 100 where these conditions may exist.
- Not recommended for immersion service.

## Drying Time

Stated cure times are at 40% minimum relative humidity and temperatures of 10°C(50°F)to 38°C(100°F). Allow more time at humidities below 40% and temperatures below 10°C(50°F).

## Surface Preparation

Before application, the receiving coat surface must be free from dirt, soluble salts, dust, oil, grease, chalking or contaminants. Normal preparation includes either vacuum, blow-off, SSPC-SP-1 “solvent cleaning”.

## MIXING AND THINING

MaxStrong HB semi-gloss is supplied in either 1-or 5- gallon containers. The entire contents of the containers must be mixed well before application. Thinning is not required; however, at lower temperatures, up to 10% of X-60 thinner can be added, depending on local VOC and air quality regulations. Do not “box” or create vortex.

|                     |                 |                   |                         |
|---------------------|-----------------|-------------------|-------------------------|
| *Reduction Solvent: | X-60 thinner    | Mixing ratio:     | N/A                     |
| Reduction:          | Not recommended | Packaging:        | 1- and 5-gal containers |
| Catalyst:           | N/A             | Clean-UP Solvent: | X-50                    |

Paint temperature must always be above the dew point before mixing or application.

\* Contact a Eclat representative when solvent reduction may be needed.

## APPLICATION

|                          |  |                       |  |
|--------------------------|--|-----------------------|--|
| <b>Spray gun:</b>        | Similar to DeVilbiss 510, moisture trap should be placed before the pot. | <b>Airless spray:</b> | Heavy duty 30:1 airless pump   |
| <b>Fluid Tip:</b>        |  |                       | 0.017-0.021 in (0.38-0.53mm) @ 3000 psi  |
| <b>Air Cap:</b>          |  |                       | Minimum 3/8 in.ID; maximum 50 ft length. Longer hose length may require an increase in pump ratio. |
| <b>Fluid hose:</b>       |  |                       |  |
| <b>Brush and Roller:</b> | Use primarily for touch-up and repair                                    |                       |  |

\*\* Not recommended to paint below this temperature. Sudden temperature drops and wind chill factors may prevent the coating from curing enough to accept the next coat. Contact O&E

\*\*\*After 48 hours, scuff sanding is required before recoating

See the material safety data sheet and product label for complete safety and precaution requirements.

**DISCLAIMER:** “The following is made in lieu of all warranties, expressed or implied: Manufacturer’s obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer.”



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