

# 35-S Series

## Modified Alkyd Sanding Primer



35-S Series is a high-solids, fast drying single package primer specifically formulated to meet 3.5 pounds per gallon VOC. Its light color allows orange, yellow and red topcoats to be applied in one coat for proper hiding. 35-S contains four rust inhibitors which work together to offer outstanding chemical and corrosion resistance. It may be topcoated with a wide variety of topcoats: alkyds, urethanes, epoxies and acrylics.

### Tech Specs

|                              |                                      |                             |                  |
|------------------------------|--------------------------------------|-----------------------------|------------------|
| <b>Heat Resistance:</b>      | For Ambient Services Only            | <b>Wet Film Thickness:</b>  | 4.2-6.3 mils WFT |
| <b>Vehicle Type:</b>         | Modified Alkyd                       | <b>Dry-time:</b>            | <b>Normal</b>    |
| <b>Reducer:</b>              | Not Normally Required                | To Touch:                   | 15-30 Minutes    |
| If desired:                  | Highland #26 Reducer                 | Tack Free:                  | 1 Hour           |
| <b>Mix Ratio:</b>            | Single Package                       | To Recoat:                  | 1-2 Hours        |
| <b>Pot Life:</b>             | N/A                                  | To Handle:                  | 2 Hours          |
| <b>Volume Solids:</b>        | 48%                                  | Put in Service:             | 12 Hours         |
| <b>Theoretical Coverage:</b> | 770ft <sup>2</sup> /gal. @ 1 mil DFT | <b>Shelf Life:</b>          | 2 Years Minimum  |
| <b>VOC:</b>                  | <419 g/L (3.5 lbs/gallon)            | <b>Finish:</b>              | Flat             |
| <b>Flash Point:</b>          | 67°F (Lowest Flashing Component)     | <b>Color:</b>               | Off White        |
| <b>Dry Film Thickness:</b>   | 2-3 mils DFT                         | <b>Packaging:</b>           | 5 Gallon Pails   |
|                              |                                      | <b>Storage Temperature:</b> | 20°F - 110°F     |

### Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants.

A SSPC-SP1 Solvent Cleaning with Highland 901 Cleaning Solvent is recommended before blasting or other cleaning method.

#### Carbon Steel:

**Best:** A SSPC-SP6/NACE 3 Commercial Cleaning is recommended for maximum coating performance and longevity.

**Good:** A SSPC-SP3 or SSPC-SP2 Power Tool or Hand Tool Cleaning provides good results. Also, water jetting in accordance with SSPC-SP12 is acceptable.

#### Galvanized Steel or Aluminum:

Contact a Highland representative as recommendation will vary depending on substrate and exposure conditions.

**Must be topcoated within 3 days of application or the surface must be sanded before topcoating.**

### Mixing & Application

**Mixing:** Highland 35-S Series needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.

**Reduction:** Reduction is not required, if desired, reduce by 0% - 10% with Highland #26 reducer.

Highland 35-S Series is designed for spray application. To ensure optimal performance, apply according to the following recommendations.

#### Airless

**Gun:** Graco 205-591 (or equivalent)

**Pressure:** Apply at 1800psi minimum to achieve an even fan pattern.

**Tip sizes:** 3.011-5.013

**Airless Pumps:** 30:1, 45:1, 60:1

**Hose:** 3/8 inch ID

**Brush or Roller:** Touch up only – Requires reduction with Highland #105 Brush & Roll Reducer.

#### Conventional

**Gun:** DeVilbiss MBC-510 (or equivalent)

**Fluid Tip:** E

**Air Cap:** 704

**Atomizing Pressure:** 60 psi

**Pot Pressure:** 15-20 psi

**Hose:** 1/2 inch ID

**Clean Up:** Clean all equipment with Highland #901 Cleaning Solvent

## Typical Systems

Highland 35-S Series may topcoated with variety of Highland Topcoats:

Apply 1 coat of 35-S Series at 2-3 mils DFT as a primer then topcoat with one of the following options.

|               |                                   |
|---------------|-----------------------------------|
| 150 Series    | Gloss Alkyd Enamel Topcoat        |
| 865-LH Series | Gloss Silicone Alkyd Topcoat      |
| 36-HF Series  | Ultra-High Gloss Urethane Topcoat |
| 65-R Series   | Gloss Acrylic Topcoat             |
| 68-R Series   | High Gloss Urethane Topcoat       |

Highland 26 Series may be topcoated with a wide variety of topcoats. For more options please call your Highland representative.

## Safety Information

- Use normal precautions such as gloves, facemasks and barrier creams.
- Adequate ventilation must be maintained. In confined areas, applicators must wear constant flow airline respirators.
- If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- This product contains FLAMMABLE materials. Keep away from sparks and open flames. Observe NO SMOKING regulations.
- All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, applicators should be required to use nonferrous tools, and to wear conductive, non sparking shoes.
- Observe low flash regulations.
- Refer to Safety Data Sheet (SDS) for complete safety instruction