

65R Series

Spray Safe Dry-Fall Modified Acrylic Topcoat



65R Series Topcoat is an extremely fast drying single package modified acrylic. Its overspray is designed to be powder dry within 10-20 feet from the point of application. This allows painting to continue without worry of paint overspray damage to equipment and vehicles. 65R Series has outstanding gloss and weathering properties making it an excellent choice for large plants, trailers, equipment and vehicles.

Tech Specs

Heat Resistance:	For Ambient Services Only
Vehicle Type:	Modified Oil Based Acrylic
Reducer:	No Reduction Necessary
In Summer if desired:	Highland #30-E Reducer
In Winter if desired:	Highland #32-E Reducer
To Maintain Wed Edge:	Highland #36-E Reducer
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	35%
Theoretical Coverage:	561ft ² /gal. @ 1 mil DFT
VOC:	<400 g/L
Flash Point:	-4°F (Lowest Flashing Component)
Dry Film Thickness:	2-3 mils DFT

Wet Film Thickness:	5.7-8.6 mils WFT
Dry-time:	Normal
To Touch:	5 Minutes
Tack Free:	30 Minutes
To Topcoat:	20 Minutes
To Handle:	1-2 Hours
Put in Service:	12 Hours
Shelf Life:	2 Years Minimum
Finish:	Gloss
Color:	Standard & Custom Colors
Packaging:	5 Gallon Pails
Storage Temperature:	20°F - 110°F

Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants. Apply over Highland approved primer. Consult Highland technical data sheet for recoat windows on approved primer before application. See typical systems for primer options.

Mixing & Application

Mixing: Highland 65R Series needs to be thoroughly mixed using mechanical agitation.

Reduction: No reduction is necessary to achieve Dry-Fall properties. If desired, reduce 0%- 5% with one of the following Highland VOC Exempt Reducers:

#30-E Highland Warm Weather Dry-Fall Reducer for temperatures 80°F and above

#32-E Highland Cold Weather Dry-Fall Reducer for temperatures below 80°F

36-E Highland Blending Reducer may be used for extremely hot temperatures (90 °F), to help overspray blend in. (Do not exceed 5%)

Note: If "Fingering" occurs during the spray application, increase the amount of thinner which will decrease the viscosity of the coating. Do not increase the pump pressure. Maintain 1800 psi allowing +/- 25 psi for surges.

To assure Dry-Fall effect, do not apply in temperatures below 45°F, on surfaces below 40°F, or humidity above 85% Rh. Make sure the equipment being used will give accurate psi readings so the pressure from the pump can be maintained at 1800 psi allowing a maximum +/- 25 psi for surges. Do not apply in temperatures that are 5°F or less from the dew point. Do not use whip lines.

Highland 65R 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 allowing +/- 25 psi for surges.

Tip sizes: 3.011 – 5.011

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

Hose: 3/8 inch ID

Brush or Roller: Both are acceptable – Requires reduction with Highland #105 Brush & Roll Reducer.

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

Typical Systems

Highland 65R Series may topcoated with variety of Highland Topcoats:

Apply 1 coat of 65R Series at 2-3 mils DFT as a primer then topcoat with one of the following options.

475R Series Primer	Dry-Fall 2K Epoxy Primer
84-DF Series Primer	Dry-Fall Phenolic Modified Alkyd Primer
97 Series Primer	Non Dry-Fall Epoxy Mastic Primer

Highland 65R 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