



Highland International, Inc.



Technical Data Sheet

#720-SF Series Dry-Fall High Performance Modified Silicone Alkyd Satin Topcoat

720 Series Dry-Fall is a single package modified Silicone Alkyd coating limited to 2.8 lbs. VOC per gallon. Due to the high silicone content and light stable pigmentation, HiTemp 720 maintains exceptional color purity in rugged coastal and winter environments. Since it dries to a powder within 10-20 feet from point of application, it can be used in high-traffic areas where overspray damage to nearby cars and equipment would otherwise be a concern. An excellent choice for painting storage tanks, processing plants, bridges, & power plant components.

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|------------------------------|--|-----------------------|---------------------------------------|------------------------|
| Vehicle Type: | Modified Silicone Alkyd | Dry-Time: | Normal Application | Hot Application |
| Pigmentation: | Lead Free | To Touch | 10 Minutes | N/A |
| Reduction: | Reduce Minimum 12% (1/2 gal to 4 gal fl) | Tack Free | 30 Minutes - 1 Hour | N/A |
| Dry-Fall Application: | #30-E for 80°F and above | To Recoat | 30 Minutes | N/A |
| | #32-E for 80°F and below | To Handle | 2-3 Hours | N/A |
| Brush or Roller: | #105 Brush and Roll Reducer | Put in Service | 12 Hours | |
| Mixing Ratio: | Single Package | V.O.C.: | 2.8 Lbs. per Gallon (340 Grams/Liter) | |
| Pot Life: | Not Applicable | Shelf Life: | 1 Year Minimum | |
| Volume Solids: | 42% | Finish: | Satin | |
| Theoretical Coverage: | 672 Sq. Ft. per Gallon @ 1 Mil DFT | Color: | Selected Range | |
| Flash Point: | ~8°F (Lowest Flashing Component) | Weight: | 10-11 Lbs. per Gallon | |
| Recommended DFT: | 2-3 Mils | Cure: | Air Dry | |

Preparation: Apply over Highland #475C Dry-Fall Epoxy Primer or #84-DF Dry-Fall Phenolic Modified Rust Inhibitive Primer. All surfaces should be dry and free of contaminants.

Application: To assure Dry-Fall effect, do not apply in temperatures below 45°F, on surfaces below 40°F, or humidity above 85% .

Make sure the equipment you are using to spray with will give you accurate PSI readings so that the pressure from the pump can be maintained at 1800 psi allowing a maximum +/- 25 psi for surges.

The product's curing will slow drastically to temperatures below 40°F.

Do not apply in temperatures that are 5°F or less from the dew point.

Reduction: Must Reduce 15% minimum with:

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

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

#105 Brush and Roll Reducer for Dry-Fall Coatings

*If "fingering" occurs during the spray application, increase the amount of thinner, which decreases the viscosity of the paint. **Do not increase the pump pressure. Maintain 1800 psi allowing +/- 25 psi for surges.**

Method of Application:

Conventional Spray

Airless Spray:

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|----------------------------|-------------------|----------------------|---|
| Gun: | DeVilbiss MBC-510 | Gun: | Graco 205-591 |
| Fluid Tip: | E | Pump: | 30:1 |
| Air Cap: | 704 | Tip Range: | 3.011 - 4.011 |
| Atomizing Pressure: | 60 psi | Hose: | 3/8 inch ID |
| Pot Pressure: | 20 psi | Pump Pressure | 1800 psi allowing +/- 25 psi for surges |
| Hose: | 1/2 inch ID | | |

Brush or Roller: Use Highland #105 Brush and Roll Reducer 10%

Clean Up: After use, clean all equipment with lacquer thinner.

Safety Precautions: (a) Use normal precautions such as gloves, facemasks, and barrier creams. (b) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators.

(c) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention. (d) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames.

Observe **NO SMOKING** regulations. (e) All electrical equipment and installations should conform to NEC regulations.

In areas where explosion hazards exist, workmen should be required to use non-ferrous tools, and to wear conductive,

non sparking shoes. (f) Observe low flash regulations. (g) Refer to Material Safety Data Sheet (MSDS)

for complete safety instructions.

The technical data listed herein has been compiled for your convenience and guidelines and is based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty express or implied is intended or given. Highland assumes no responsibility whatsoever for coverage, performance or any other damage, including injuries from use of this information of products recommended herein. However, when applied according to manufacturers specifications, these products will perform as indicated.

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