



Highland International, Inc.



Technical Data Sheet

#775 Series High Performance Silicone Alkyd Topcoat (Urethane Modification Optional)

775 Series is a single package Silicone Alkyd topcoat coating limited to 2.8 lbs. per gallon VOC. Due to the high silicone content and UV stable pigmentation, 775 maintains exceptional gloss & color purity even in rugged industrial or atmospheric environments. These qualities are greatly enhanced when 775-ALH-100 Urethane Modifier is added, making it an excellent choice for painting storage tanks, processing plants, bridges, & power plant components.

Vehicle Type:	Silicone Alkyd	Dry-Time:	Normal Application	
Pigmentation:	Lead Free	To Touch	2-4 Hours	
Reducers:	Not Normally Necessary	Tack Free	2-4 Hours	
If VOCs are a concern:	30-E or 32-E	To Recoat	12 Hours	
If VOCs are not a concern:	Mineral Spirits	To Handle	4-6 hours	
Mixing Ratio:	Single Package	V.O.C.:	2.8 Lbs. per Gallon (335 Grams/Liter)	
For Enhanced Durability:	Up to 1 qt (4:1) 775-ALH-100 per gal.	Shelf Life:	1 Year Minimum	
Pot Life:	3 Hours @ 77°F (when 775-ALH-100 is added)	Finish:	Gloss	
		Color:	Selected Range	
Volume Solids:	60%	Weight:	11.5 Lbs. per Gallon	
Theoretical Coverage:	960 Sq. Ft. per Gallon @ 1 Mil DFT			
Flash Point:	105°F Lowest Flashing Component			
Recommended DFT:	2-3 Mils			

Preparation: All surfaces to be painted should be dry and free of all foreign contaminants. Apply over #84 Series Rust Inhibitive Structural Primer, #77 Series Epoxy Primer, or #475 Series Dry-Fall Epoxy Primer. For extra durability & corrosion protection, apply over #74 AcidTemp 500°F Epoxy Hybrid.

Application Requirements: (1) Stir product thoroughly prior to use. (2) **Reduction:** If desired, reduce up to 20% with one of Highland's VOC Exempt reducers (30-E or 32-E) to maintain the 2.8 lbs. per gallon VOC. If VOC levels are not a concern, reduce with mineral spirits. (3) Apply at a rate of 320-480 square feet per gallon to obtain the recommended film thickness.

Special Notes: 775 Series is a single component product, however, for additional durability you may add #775-ALH-100 Hardener at up to one quart per gallon. Pot life is then 3-4 Hours at 77°F with considerably shorter pot life at higher temperatures.

**To enhance gloss, durability & hardness, add between one pint (8:1) and one quart (4:1) of #775-ALH-100 per gallon.*

Method of Application:	Conventional Spray	Airless Spray:	
Gun:	DeVilbiss MBC-510	Gun:	Graco 205-591
Fluid Tip:	E	Pump:	30:1
Air Cap:	704	Tip Range:	3.011 - 4.015
Atomizing Pressure:	60 psi	Pump Pressure	1800 psi minimum
Pot Pressure & Hose:	15-20 psi 1/2" ID	Hose:	3/8 inch ID
Brush or Roller:	both are acceptable		
Clean Up:	After use, clean all equipment with mineral spirits or 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.

P. O. Box 3564 Boone, NC 28607
800-444-1438

www.highland-international.com