

852-TC Series

HiTemp 500°F Silicone-Acrylic Topcoat



Highland 852-TC Series is based on a thermally stable silicone modified acrylic resin & specialized pigments to achieve maximum heat resistant properties. The drying mechanism utilizes a combination of solvent evaporation & resin cross-linking to allow handling and shipping in the air-dried state in 24 hours.

Tech Specs

Heat Resistance:	500°F Constant
Color Stability:	500°F for Standard & Custom Colors 600°F for Black, and Silver
Vehicle Type:	Silicone-Acrylic
Reducer:	Highland #852 Reducer
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	32% ± 2%
Theoretical Coverage:	513ft ² /gal. @ 1 mil DFT
VOC:	< 3.5 lbs./gal (420 g/l)
Flash Point:	45°F (Lowest Flashing Component)
Dry Film Thickness:	1.5 – 2.5 mils DFT

Wet Film Thickness:	4.7 – 7.8 mils WFT
Dry-time:	Normal
To touch:	45 Minutes - 1 Hour
To Ship:	24 Hours
Hot Application:	N/A
Shelf Life:	2 Years Minimum
Finish:	Flat
Color:	Standard & Custom Colors
Packaging:	1, 5, & 55 gallon containers
Storage Temperature:	40°F - 100°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 852-TC 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 #852 reducer.

Airless Applications

Airless:	Titan 740 Impact or equivalent
Pump Pressure:	2700 – 3100 PSI
Manifold Filter:	60 Mesh
Gun Filter:	360 Mesh
Hose:	¼ inch ID

Gun:	LX-8011 or equivalent
Tip:	.015 - .021
Clean Up:	Highland #901 Cleaning Solvent
Brush or Roller:	Touch Up Only

Recommended Uses

Highland 852-TC is designed for use wherever maximum resistance to heat, humidity, and weather is required. Highland 852-TC is formulated for superior sprayability with smooth, uniform coverage. Highland 852-TC dries fast for quick handling. This product can be used on heaters, stacks, boilers, breeches, mufflers, radiators, storage tanks, pipelines, steam lines and other high temperature substrates.

Performance

This unique coating performs as well as many pure silicone resins, but has the distinct advantage of drying at room or ambient temperature. It has excellent color stability to 600°F (315°C) in Black and Silver & up to 500°F (260°C) for all other colors in addition to exceptional heat resistant properties & weathering characteristics.

Typical Systems

Highland 852-TC Series may be applied over a variety of Highland Primers:

802 Series Primer

For areas up to 500°F (600°F for black, and Silver)

827-HB Series Primer

For a high build option in areas up to 500°F (600°F for black, and Silver)

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

The technical data listed herein has been compiled for your convenience and guidelines are based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty expressed 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 or products recommended herein.