

# 350-TC Series

## HiTemp Modified Acrylic Topcoat



HiTemp 350-TC Series is a single package modified acrylic topcoat that is limited to less than 2.6 lbs. VOC per gallon. Specifically designed for heavy industrial use, HiTemp 350-TC meets a multitude of high heat demands. Due to the specially modified submicron particle size acrylic resin, HiTemp 350-TC maintains exceptional flexibility and color purity in rugged environments as well as when exposed to high temperatures. Achieve easy one-coat coverage over Highland approved primers (see typical systems for details). Highland 350-TC Series was engineered specifically to provide long-lasting service life for all areas ranging from ambient to 450°F.

### Tech Specs

<b>Heat Resistance:</b>	450°F Constant	<b>Wet Film Thickness:</b>	2.9-5.8 mils WFT
<b>Color Stability:</b>	350°F for Standard Colors 450°F for Black	<b>Dry-time:</b>	<b>Normal</b>
<b>Vehicle Type:</b>	Modified Acrylic	To Touch:	1 Hour
<b>Reducer:</b>	Not Normally Required If desired: Water	To Recoat:	18 Hours
<b>Mix Ratio:</b>	Single Package	To Handle:	18 Hours
<b>Pot Life:</b>	N/A	<b>Shelf Life:</b>	1 Year Minimum
<b>Volume Solids:</b>	34% ± 2%	<b>Finish:</b>	Semi-Gloss
<b>Theoretical Coverage:</b>	545ft <sup>2</sup> /gal. @ 1 mil DFT	<b>Color:</b>	Selected Range
<b>VOC:</b>	<310 g/L	<b>Packaging:</b>	1 & 5 gallon pails
<b>Flash Point:</b>	None	<b>Storage Temperature:</b>	35°F - 110°F
<b>Dry Film Thickness:</b>	1-2 mils DFT	<b>Application Temp:</b>	
		Ambient:	50°F Minimum
		Substrate:	50°F - 120°F

### Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants. Apply over Highland 350-PR primer.

### Mixing & Application

**Mixing:** Highland 350-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 distilled water.

**Hot Application:** Not recommended for this product line. Contact your Highland representative for alternate hot apply systems.

Highland 350-PR can be applied by brush, airless or conventional spray equipment. To ensure optimal performance, apply according to recommendations below.

**Airless Gun:** Titan 440 Impact or Equivalent  
**Pump:** 30:1/45:1/60:1  
**Tip Range:** .015 – .019  
**Pump Pressure:** 1,800 – 2,200 psi  
**Hose:** 1/4 inch ID

**Brush or Roller:** Acceptable

**Clean Up:** Water

## Typical Systems

Apply 1 coat of 350-PR Series at 1-2 mils DFT as a primer then topcoat with 1-2 mils of Highland 350-TC topcoat.

## 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

## Precautions

- CAUTION! Do not take internally.
- Close container after each use.
- **Protect from freezing**
- Read SDS before opening containers.

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.