



# PRODUCT DATA

## Shinethane Gloss

### Aliphatic Polyurethane

E431 - WHITE    E434 - GRAY

E605 - BROWN

**Description:** A two component, high performance, high gloss, aliphatic urethane coating.

**Typical Uses:** For industrial and commercial use as a high performance protective coating for structural steel, bridges, tank exteriors, piping, machinery, equipment, and other surfaces exposed to corrosive atmospheric or industrial environments. Excellent gloss and color retention for exterior exposure.

**Dry Temperature Limits:** up 250 deg.F

**Surface Preparation:** Surfaces should be clean and dry. Remove all oil, grease, mildew or other contamination by solvent or detergent cleaning or other effective means.

**Application Equipment:** Brush, Roller, Airless or Conventional spray. To obtain maximum edge protection and film build, spray application is recommended.

**Application Conditions:**

- Noncontaminated surface, free of all oil, grease, mildew, other other contamination
- Dry, dust-free metal surface
- Metal temperature above 60 deg.F
- Metal temperature at least 5 deg. above the dew point
- Ambient temperature above 50 deg.F
- Humidity less than 85% - dew, rain, or excessively high humidity may flatten gloss, which will also appear as a color change
- Material temperature between 70 and 90 deg.F

**Primer:** 1356,305,P-192,P-281,P-300,7510,7500,E-433 OR ANY GOOD EPOXY PRIMER OR INTERMEDIATE COAT

**Thinner:** T-153 Thinner

**Clean Up Solvent:** T-153 Thinner

**Safe Application Conditions:** Consult MSDS for proper handling, cleanup, disposal, and use of personal protective equipment. Circulate sufficient air to maintain working environment below the PEL and LEL. Apply according to local, state, and federal (OSHA) regulations.

Add M-170 Activator to Shinethane Colored Portion and then mix until

**Finish:** High gloss

**Color:** several standard colors, other colors available subject to minimum order.

**Volume Solids:** 53 +/- 2.0% (mixed)

**VOC:** 3.43 lbs./gal. (406 g/l), (mixed)

**Flash Point:** 80 deg.F, (mixed)

**Mixing Ratio:** 4.2 to 0.8 by volume

**Dry Film Thickness:** 2.0 to 3.0 mils

**Wet Film Thickness:** 4 to 6 mils

**Theoretical Coverage:** 853 sq.ft./gal.@ 1.0 mils DFT

**Induction Time:** none required

**Pot Life Time:** 8 hours @ 70 deg.F

**Shelf Life Time:** 12 months +

**Dry Time:** @ 75 deg.F  
Dry to Touch    30 to 45 minutes  
Dry to Recoat    4 to 6 hours

**Mixing:**Add M-170 Activator to Shinethane Colored Portion and then mix until uniform consistency is obtained. Do not beat air into material. Do not thin until material has been completely mixed; mixing reduces the thickness (viscosity) of coatings. Mix only what can be used during the usable pot life of this coating. Remember, that elevated temperatures mean shortened pot life.

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