



PRODUCT DATA

4045 HH

Low VOC HI-SOLIDS
Aliphatic Polyurethane

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: 45:1 ratio pump with 0.013 (513) to 0.017 (517) inch diameter orifice for airless spray gun tip at a 2,400 psi recommended minimum fluid pressure at tip to obtain proper atomization. An artist brush can be used for touchup of WFT marks and other small repair areas.

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%
- Material temperature between 70 and 90 deg.F

Primer: recommended epoxy primers

Thinner: T-99 Thinner

Clean Up Solvent: T-99 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.

Finish: High gloss

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

Volume Solids: 58 +/- 2.0% (mixed)

VOC: 3.33 lbs./gal. (396 g/l), (mixed)

Flash Point: 23 deg.F, (mixed)

Mixing Ratio: 4:1 by volume

Dry Film Thickness: 1.5 to 2.5 mils

Wet Film Thickness: 2-1/2 to 4-1/2 mils

Theoretical Coverage: 930 sq.ft./gal. @ 1.0 mils DFT

Induction Time: none

Pot Life Time: 4 hours @ 75 deg.F

Shelf Life Time: 12 + months

Dry Time: @ 75 deg.F

Dry to Touch 1 hour

Dry to Recoat 16 hours

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