



PRODUCT DATA

8170

HIGH-TECH EPOXY

Description: A high solids, modified epoxy formulated for use as a protective lining. Designed for excellent thermal shock resistance with high slip

Typical Uses: Lining for corrosive immersion environments. Formulated as an interior lining for effective heat distribution and heat dissipation.

Dry Temperature Limits: 325 deg.F continuously, 400 deg.F intermittently

Chemical Resistance: Caustic soda - sulfuric acid - ammonium nitrate

Weld Preparation: NACE RP0178-89, Weld Prep Designation C

Surface Cleanliness: NACE No.2/SSPC-SP 10 Near White Metal Blast

Profile Depth: average 2.5 to 3.0 mils (visual comparator)

Profile Texture: sharp and angular (viewed under magnification)

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

Application Conditions:

- Noncontaminated profile (pretreat and preblast contaminated surfaces)
- 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 90%
- Material temperature between 70 and 90 deg.F

Primer: none required

Thinner: T-58

Clean Up Solvent: mek

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: Black

Volume Solids: 72%, (mixed)

VOC: 2.0 lbs./gal. (238 g/l), (mixed)

Flash Point: 63 deg.F

Mixing Ratio: 4:1 by volume

Dry Film Thickness: 8 to 10 mils, 1 coat only, (do not apply dress coat)

Wet Film Thickness: 11 to 14 mils

Theoretical Coverage: 1126 sq.ft./gal. @ 1 mil

Induction Time: none required

Pot Life Time:

- 70 min.s @ 77 deg.F for 1 lb. mix
- 35 min.s @ 77 deg.F for 5 gal. mix

Shelf Life Time: 12 months

Dry Time: @ 77 deg.F (25 deg.C)

Set to Touch 4 hours

Tack Free 6 hours

Recoat 10 hours

Note: should be recoated within 24 hours @ 77 deg.F