



PRODUCT DATA  
**HYCHEM**  
**100**  
Hypalon Elastomeric

**Description:** HyChem 100 is a two component Hypalon coating formulated for use as a protective coating with excellent weathering and chemical resistance with elastomeric properties.

**Typical Uses:** Self-priming coating for protection of steel and concrete in corrosive environment, such as clay slurry tanks, where a tough flexible film is required.

**Special Qualifications:** none

**Dry Temperature Limits:** 250 deg.F intermittent, 180 deg. F sustained

**Surface Cleanliness:** NACE No.3/SSPC-SP 6 *Commercial Blast Cleaning* for dry environments of NACE No. 2/SSPC-SP 10 *Near-White Blast Cleaning* for immersion environments.

**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 blast contaminated surfaces)
- Dry, dust-free metal surface
- Metal temperature above 41 deg.F
- Metal temperature at least 5 deg. above the dew point
- Ambient temperature above 41 deg.F
- Humidity less than 90%

**Primer:** usually self-prime, but in highly corrosive conditions prime with 1356, 1311, or 1312. For specific recommendations contact RCB Elite representative.

**Thinner:** T-33 Thinner

**Clean Up Solvent:** T-33 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:** Semi - Gloss

**Color:** Black

**Volume Solids:** 32%, (mixed)

**VOC:** 4.73 lbs./gal. (568 g/l), (mixed)

**Flash Point:** 82 deg.F

**Mixing Ratio:** 1:1 by volume,

**Theoretical Coverage:** 512 sq.ft./gal. @ 1 mil

**Dry Film Thickness:** Spray apply three coats. Thin the first coat 35 to 50% with T-33 Thinner, and apply at a dry film thickness of 2 mils. The second and third coats may be thinner up to 20% with T-33 Thinner and applied at 4 mils dry film thickness per coat.

**Pot Life Time:** 36 hr.s 77 deg.F

**Shelf Life Time:** 12 months

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

Dry to Recoat 1 hour if sprayed, and 3 hours if brushed or rolled.

Dry for Service 24 hours

high temperatures accelerate curing and coating can be baked to increase hardness and abrasion resistance.

CONTINUED ON PAGE 2 AND 3

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