



TECHNICAL DATA SHEET

B05 HIGH GLOSS ACRYLIC POLYURETHANE

07202021



As a high performance topcoat over properly prepared primed or sealed substrates and sanded stable coatings, including: Hot and Cold roll steel, Galvanized Steel, Aluminum, fiberglass, plastics and wood where high gloss and color retention is desired.



COMPONENTS

- B05
- R60/70/85
- H10

Topcoat
Fast/Medium/Slow National Rule Reducers
Hardener



MIXING RATIO

Mix Three (3) parts color to one (1) part H10 hardener. Reduce 10%-20% with Selected Reducer.



POT LIFE

1 1/2 hours at 68°F



CLEAN UP

Use Lacquer Thinner or zero VOC solvents. (Check local regulations)



PHYSICAL DATA

Solids wt. 48.4%
Volume wt. 42%

VOC

Coating: 4.8 lbs/gal - 578.7 g/l
Material: 4.8 lbs/gal - 578.7 g/l



DRY / FLASH TIMES

Dust Free: 30 minutes @ 68°F/20°C
Dry to Touch 1 hours @ 68°F/20°C
Total Hardness 24 hours @ 68°F/20°C
Force Dry 40 minutes @ 140°F/60°C



GUN SETUPS

HLVP Gravity Feed	1.4 mm – 1.6 mm
Pressure Pot HLVP	1.0 mm – 1.1 mm
Air Assist Airless	1.0 mm - 1.1 mm
Conventional	1.4 mm - 1.7mm
Airless	Not Recommended



SURFACE PREPARATION

Use HyMax Clean Wipe (S01) to clean substrate free of grease, dirt, and foreign contaminants.

Best:
Hystar primer within 12 hours
followed by topcoat as directed.

Better:
Hot Phosphate wash system, blow
dry and apply Hystar primer within
8 hours followed by topcoat as
directed.

Good:
Careful mechanical abrasion. Clean all dust,
oil residue, finger prints and contaminates
before and after mechanical abrasion with
a clean drying wax and grease removal
solvent, making sure all residue is removed.
Apply suitable Hystar primer, followed by
topcoat as directed.

Aluminum: Clean surface with clean drying wax and grease remover.
Apply Hystar Epoxy or P10 Primer, followed by topcoat

Galvanized Steel: Careful mechanical abrasion. Clean all dust, oil residue, finger prints and
contaminates before and after mechanical abrasion with a clean drying wax and grease removal
solvent, making sure all residue is removed. Apply P10 Primer, followed by topcoat as directed.



APPLICATION AT 77° F/25°C

- Two medium wet coats, allow 10-20 minutes flash between coats



SAFETY

Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.
The technical data sheet listed has been compiled in good faith for your
convenience and guidance. No warranty, expressed or implied, is intended or
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Lyquid Specialty Coatings

Lyquid.Hymax@gmail.com

Phone: (516) 736-3476