

POLYPRO™ 6122 CLEARCOAT

HEAVY DUTY / SEVERE SERVICE ALIPHATIC ONE COMPONENT (2k) POLYUREA CLEAR TOPCOAT “MIAC”™ (Moisture Initiated | Amine Cured) Color Stable | Highly Resistant To Fading

APPLICATION CHARACTERISTICS

Mix ratio: 1:1 by volume

Application methods:

Brush, roller, squeegee and
spray (airless, air-assisted airless
and pressure pot)

WARNING: Spraying by any method
produces fugitive mist, vapors and fumes.
Extreme care must be exercised to
protect personnel from exposure. Air
exhausting equipment (fans / ducting)
must be used to dissipate the fumes
appropriately. Confined spaces require
extra measures for safety. Isolation of the
spray area may be necessary.
Solids (volume), No solvents. 100%
theoretical.

Theoretical coverage:

1604 mil sq. ft. / gal.
401 sq. ft. / gal. (4 mil film)

Curing schedule: @ 4 mils thickness
(72°F / 50 % R. H.)

Dry to touch	40-50 minutes
Tack-free and firm:	2 hours
Through:	24 hours
Full physicals:	7 days
To Recoat:	
Minimum:	2 hours
Maximum:	12 hours

Note: If maximum recoat time is ex-
ceeded, abrade surface and chemically
activate. Cure time is temperature,
humidity and film thickness dependant.

Pot life (no sweat-in time required):

Fully open:	1 hour
Covered / unsealed:	2-3 hours
Sealed:	8 hours

Shelf life:

6 months unopened @ 72°F

Cleanup:

VTI CS-100 cleaning solvent, ketones.

Color Availability:

Clearcoat Gloss

Packaging:

10 gal.
102 gal. kits. (Equal "A" & "B")



“POLYPRO” direct to substrate capabilities provides an excellent single-coat system with reduced installation cost. Has high gloss and retains excellent clarity and gloss during extended service periods. Compatible over properly cleaned and prepared cold-rolled and hot-rolled steel. POLYPRO exhibits excellent adhesion to concrete providing a durable, glossy, easy to clean surface. May be used over zinc-rich primers as a direct weather-resistant topcoat for heavy duty service and over intact, properly prepared existing paint as a maintenance product. POLYPRO’s fast tack-free and full curing time is ideal for fast turnaround requirements. POLYPRO’s unique, extreme moisture insensitivity permits unequalled use in high humidity conditions and wet environments.

Typical Uses

- Floor Coating
- Protect Decorative Surfaces
 Artwork | Logos | Carvings | Mosaics | Fancy
 Masonry
- Transparent Weatherproofing for Signage
 Store Signs | Temp | Highway Signs | Graphics
- Seal Against Abrasion and Chemical Damage
 Floors | Decks | Park Benches | Tables
 Counters | Furniture | Moldings
 Playground Equipment
- Transparent Weatherproofing for Construction
 Wood | Concrete | Decorative Masonry
- Optically Clear Topcoat Over Paint

Product Data

- Clear, color stable, UV protected topcoat
- No solvents, 100 % solids, “0” VOC, low odor
- High-gloss, self-priming coating
- Excellent gloss retention
- Use over wood, concrete and metal
- Extremely moisture insensitive
- Rapid tack-free time
- Outstanding abrasion and impact resistance
- Tough, flexible, highly elastomeric polymer

Typical Physical Properties

	ASTM METHOD	VALUE 7 DAYS
Elongation, %	D-638	500
Tensile, psi	D-638	5100
Tear, notched, pli	D-624	535
Hardness	Shore “D”	52

Typical Performance Data

Initial Gloss, 60 ^D	D-523	88
Gloss Retention (weatherometer-3000 hrs.)	D-26	excellent
Adhesion:		
Dry tape	D-3359	5B - “0” delam.
Dry scrape	D-2197	
Wet tape (24 hrs. @ 70°F)		5B - “0” delam.
Chemical Resistance	D-1308	(7 day spot test)
acid - 10% HCl		pass
acid - 5% Acetic		pass
base - 10% NaOH		pass
motor oil		pass
Solvent Resistance	D-4752	(double rubs)
MEK		5 - no effect
Toluene		5 - no effect
Isopropanol		4 - slight burnish
Flexibility	73°F(23°C)	-20°F(-29°C)
1/4 dia. Mandrel	D-1737	pass
conical mandrel	D-522	pass
Taber Abrasion	D-4060	10 mg. Loss
	(CS-17, 1000 CYCLES, 1KG. LOAD)	
Dry Heat Resistance	D-2485	300°F(149°C)
Impact Resistance	D-2794	
direct		>160 in-lb
indirect		>160 in-lb
Permeability (MVT @ .030 in. equiv.)		0.01perms

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