

TECHNICAL DATA

MAX COAT A

PRODUCT DESCRIPTION

High-gloss, one component, aliphatic moisture-cure, polyurethane topcoat. Outstanding exterior weathering performance achieving the technology's highest level of color and gloss retention, abrasion resistance and physical property toughness.

PRODUCT FEATURES

- > Can be applied in damp, cold, humid, or foggy conditions.
- > Can be applied at a minimum of 20°F (-7°C) and humidities up to 95%; no dew point temperature differential restrictions.
- > Can be applied by brush, roller, or spray.
- > Excellent chemical and corrosion resistance.
- > Excellent gloss and color retention.
- > Excellent abrasion resistance.
- > Excellent chalk resistance.
- > Ease of graffiti removal.
- > Low dirt pick-up or staining.
- > Non-yellowing.
- > pH range 2 to 12.

PRODUCT LIMITATIONS

- > Do not exceed recommended wet mils.
- > Avoid application over visible droplets or puddles of water or ice formations.
- > Dry film thickness limited to 1.5 to 2.0 mils
- > Recoating time is very critical. Maximum recoat 48 hours.
- > Do not use over unprimed metal surfaces.
- > Do not use on exterior exposures where moisture condensation, sweating, puddling, or ponding water persists. Substitute Maxcoat Clearcoat where these conditions may exist.
- > Not recommended for immersion service.

DRYING TIME

- > Stated cure times are at 40% minimum relative humidity and temperatures of 10°C(50°F) to 38°C(100°F). Allow more time at humidities below 40% and temperatures below 10°C(50°F).
- > Keep in a cool and dry area.

Feb.09

***May vary depending on color**

Les Revêtements Polyval Inc.

Color:	Available in many colors	
Gloss:	Glossy	
Type of cure:	Atmospheric Moisture Cure	
Binder:	Aliphatic Polyurethane	
Temperature Resistance:		
Continuous dry	325°F (163°C)	
Non-Continuous dry	375°F (191°C)	
V.O.C.:lbs./gal (grs/lt)	2.8 (340)	3.5 (420)
*Solids by volume:	64.5+/-2%	54+/-2%
*Solids by weight:	77.5+/-2%	68+/-2%
Flash point:	Above 24(75.2°F)	
Recommended	mils: 1.5 - 2.0	1.5 - 2.0
Dry film thickness/coat	microns: 37.5 - 50	37.5 - 50
Maximum Wet Film:	mils: 3.2	3.5
	microns: 80	87.5
Theoretical Coverage	at 1 mil: 1,043 ft ² /US gal.	867ft ² /US gal.
	25 microns: 97m ² /3.78 lts.	82m ² /3.78 lts.
*Specific gravity wt/gallon:		
	lb/gallon 10.5 - 12.50	9.50 - 11.50
	kg/lt 1.26 - 1.5	1.14 - 1.38
Drying time:	3 hours	
Tack free:	4-6 hours	
To recoat:	24 hours	
Hard dry:	Not recommended	
Immerse:		
Rapid Recoat:	Refer to Pur-Acc accelerator data sheet. Recoat times for intercoat adhesion will be shortened. Consult Xymax before use.	
Shelf life:	12 months from time of manufacture to initial opening of cans. Avoid storing in temperatures above 29°C (85°F) or direct sunlight.	
Packaging:	3.78 lts.(1 US gal.) 18.93 lts. (5 US gal.)	
Pot life:	Newly Opened Cans :16 hours Working pot, Spray Application: 6 to 8 hours Working Pot, Brush or Roll application: 4 to 6 hours	

Polyval CoatingsInc.

520 Boul. Curé Boivin, Boisbriand, Québec, Canada, J7G 2A7
Telephone : (450) 430-6780 **Fax :** (450) 430-7877 **Info :** www.polyvalcoatings.com

Industrial Coatings Africa.
 Ramia House, Kojo Thompson Road, Adabraka-Accra, Ghana.
 Telephone: +233 507 65 64 64 / +233 243 12 58 82 Website: www.industrialcoatingsafrica.com

APPLICATION GUIDE

SURFACE PREPARATION

Before application, the receiving coat surface must be free from dirt, soluble salts, dust, oil, grease, chalking or contaminants. Normal preparation includes either vacuum, blow-off, SSPC-SP-1 "solvent cleaning".

MIXING AND THINNING

Xymax® Max Coat A High Gloss is supplied in either 1-or 5- gallon containers. The entire contents of the containers must be mixed well before application. Thinning is not required; however, at lower temperatures, up to 10% of X-60 thinner can be added, depending on local VOC and air quality regulations. Do not "box" or create vortex.

*Reduction Solvent: X-60 thinner

Reduction: not recommended

Catalyst: N/A

Mixing ratio: N/A

Packaging: 1- 5-gal containers

Clean-Up: X-50

Paint temperature must always be above the dew point before mixing or application.

* Contact a XymaX representative when solvent reduction may be needed.

APPLICATION

Substrate temperature	Recoating time	
	Minimum	Maximum***
< 20°F (-7°C) **	Not recommended to paint below this temperature.	
20° to 40°F (-7° to 5°C)	overnight	72 hours
45°F (7°C)	6-12 hours	48 hours
50° to 100°F (10° to 38°C)	4-6 hours	48 hours

** Not recommended to paint below this temperature. Sudden temperature drops and wind chill factors may prevent the coating from curing enough to accept the next coat. Contact XymaX.

*** After 48 hours, scuff sanding is required before recoating.

Brush and Roller: Touch-up, repair, or full-coat application
Airless spray: Heavy duty 30:1 airless pump
Tip size: 0.017-0.021 in; 3000 psi pressure
Fluid hose: Minimum 3/8 in.ID; maximum 50 ft length.
Longer hose length may require an increase in pump ratio.

Spray gun: Similar to DeVilbiss 510; moisture trap should be placed before the pot.
Fluid tip: 0.55 to 0.73 in; 30 to 60 psi pressure.
Air cap: Similar to DeVilbiss 704
Fluid hose: 30 to 60 psi pressure

PRECAUTION

See the material safety data sheet and product label for complete safety and precaution requirements.

DISCLAIMER:

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."