

MC161 High Solids Urethane Clear

Background

OMNI® MC161 is a fast drying, two component, acrylic high solids urethane clear designed for today's automotive collision centers.

Components

Clearcoat

MC161 High Solids Urethane Clear

Hardener

MH167 Fast Topcoat Hardener 55-65°F (13-18°C)
 MH168 Slow Topcoat Hardener 75-85°F (24-29°C)
 MH169 High Temp Topcoat Hardener 85°F+ (29°C+)

Compatible Products

Can be applied over:

MBP *Omni* Plus Acrylic Urethane Basecoat
 MBC Acrylic Basecoat
 MTK Acrylic Urethane
 MAE Acrylic Enamel with Hardener

Preparation

Allow basecoat color to dry a minimum of 30 minutes and a maximum of 24 hours before clearing. After 24 hours the basecoat should be lightly sanded and reapplied before applying MC161.

Mixing



Ratio:

MC161 Clear	:	MH167/168/169 Hardener
2	:	1



Pot Life:

3 hours at 70°F (21°C)



Additives:

MX193 Flexible Additive	Add 10% to RTS quart
MX194 Fisheye Eliminator	Add .5 oz. to RTS quart
MX195 Accelerator	Add 1 oz. to RTS quart
MX200 Accelerator	Add .5 oz. to RTS quart
SU4985 Universal Matting Agent, see ONECHOICE® product bulletin OC-2.	
M148 Flattening Agent*	
Flat	Add 51 oz. to RTS gal.
Eggshell	Add 45 oz. to RTS gal.
Semi-gloss	Add 42 oz. to RTS gal.

**Clear may be flattened and used as a specialty coating for low gloss interior and exterior applications.*

Air Pressure and Gun Setup



HVLP:	8 - 10 psi at the air cap
Compliant:	29 - 40 psi at the gun
Gun Setup:	1.3 - 1.6 mm or equivalent

Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.

Application



Coats:	Apply 2 - 3 coats
	For optimum performance, final recommended film build is 2.0 - 2.5 mils.

Dry Times



Between Coats:	5 - 10 minutes at 70°F (21°C)
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Air Dry:	Dust: 30 - 40 minutes
	Tack: 2 - 3 hours
	Tape: 6 - 8 hours



Force Dry:	30 minutes at 140°F (60°C)
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IR:	12 - 15 minutes
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Polish:	Air Dry 8 hours at 70°F (21°C) to polish and put into service
	Force Dry 2 hours to polish and put into service



Recoat:	Must lightly scuff before recoating
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Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS251 Multi Purpose Solvent or other appropriate clean up solvent after each use.

Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

VOC

Package	4.04 lbs./ gal
Applied (2:1)	4.18 lbs./ gal
Volume Solids (2:1)	42.1%
Weight Solids (2:1)	48.2%

Film Build Per Coat

Applied (2:1)	1.0 - 1.5 mils
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Sq. Ft. coverage at 1 mil

Applied (2:1)	704 sq. ft. per gallon at 100% transfer
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Limitations

Omni products should not be combined with components of other product lines.

Precautionary Information:

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages be sure you understand the warning messages on the labels of all components since the mixture will have the hazards of all of its parts. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Follow label directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

Medical Response:

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514)-645-1320

See Safety Data Sheet and Labels for additional safety information and handling instructions.

Data Safety Sheets for the PPG products mentioned in this publication are available through your PPG *Omni* brand distributor. To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries is constantly improving its coating and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your *Omni* brand distributor or visit www.ppgrefinish.com for the most up-to-date information.

