OMNI™ PRODUCT INFORMATION

MTK
Acrylic Urethane Single Stage

Background

OMNI™ MTK is a fast drying, two component, acrylic urethane single stage designed for today's automotive collision centers.

Components

Color	Hardener	Reducer
MTK Acrylic Urethane	MH167 Fast Topcoat Hardener	MR185 Fast 55-65°F (13-18°C)
	MH168 Slow Topcoat Hardener	MR186 Medium 65-75°F (18-24°C)
	MH169 High Temp Topcoat Hardener	MR187 Slow 75-85°F (24-29°C)
		MR188 Very Slow 85-95°F (29-35°C)

Compatible Products

Can be applied over:
Cured, cleaned and sanded OEM and refinish coatings
MP17x Epoxy Primers
MP178 Plastic Primer
MP281 1K Light Gray Primer Surfacer
MP182 2K Urethane Surfacer
MP282 High Build 2K Primer Surfacer
MP23x 2K Urethane Sealers
MP213 GP Sealer

Can be topcoated with:
MC161 High Solids Urethane Clear
MC250 Urethane Clearcoat
MC260 Quick Clear
MC270 4.2 VOC Production clear
MC2800 EUROPLUS™ Speed Clear

Preparation

Surface Cleaning:
MX190 Cleaner
MX192 Plastic Cleaner
SXA330 Wax and Grease Remover
SWX350 (H_2O-SO-CLEAN™)

Sanding
400 grit (machine or dry hand) or 500 grit (wet) on old finishes and primer surfacers.

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Mixing

Ratios:

Standard

MTK	:	MH167/MH168/MH169	:	MR Reducer
4	:	1	:	1

Higher Solids

MTK	:	MH167 MH168/MH169	:	MR Reducer
4	:	1	:	½

Pot Life: 8 hours at 70°F (21°C)

Tinting: MTK may be tinted up to 10% with *Omni* AU mixing bases and equal parts of M149 mixing clear.

Color Plus Clear: 1 part of RTS color can be mixed with up to 1 part *Omni* clear on last coat.

Additives:

MR189 Retarder	Add 10% to RTS quart
MX193 Flexible Additive	Add 10% to RTS quart
MX194 Fisheye Eliminator	Add 0.5 oz. to RTs quart
MX195 Accelerator	Add 1 oz. to RTS quart
MX200 Accelerator	Add 0.5 oz. to RTS quart

SU4985 Universal Matting Agent, (see ONECHOICE® product bulletin 0C-2)

Application

Coats: 2 coats or until proper color is achieved

Air Pressure and Gun Setup

HVLP: 8 - 10 psi at the air cap
Conventional: 45 - 55 psi at the gun
Compliant: 29 - 40 psi at the gun

Gun Setup: 1.3 - 1.6 mm or equivalent

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

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Dry Times



Between Coats: 5 - 10 minutes at 70°F (21°C)



Air Dry:

Dust:	45 minutes
Tack:	3 - 5 hours
Tape:	12 hours



Force Dry: 30 minutes at 140°F (60°C)



IR: 10 - 15 minutes



Polish:

Air Dry
16 hours at 70°F (21°C) to polish or put in service
Force Dry
8 hours to polish or put into service



Recoat:

Air Dry
24 hours at 70°F (21°C)
Force Dry
24 hours

Must lightly scuff before recoating

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	4.50 lbs./ gal (539 g/L)
Applied Less exempts (4:1:1)	5.00 lbs./ gal (599 g/L)
Applied Less exempts (4:1:½)	5.00 lbs./ gal (599 g/L)
Film Build Per Coat	
Applied (4:1:1)	0.8 - 1.5 mils
Applied (4:1:½)	1.0 - 1.4 mils
Sq. Ft. coverage at 1 mil	
Applied (4:1:1)	478 - 562 sq. ft. /US gallon at 100% transfer
Applied (4:1:½)	532 - 624 sq. ft. /US 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 use. 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 Material Safety Data Sheet and Labels for additional safety information and handling instructions.
Material 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.

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