



MC270 4.2 VOC Production Clear

Background

Omni™ MC270 is a two component 4.2 VOC production clearcoat that is ideal for value conscious bodyshops who require quick air dry performance with good buffability or force dried shorter bake times. MC270 can be used with a choice of four hardeners depending on job size and or temperature requirements.

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Clear

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Hardener

MH276 Fast Hardener
 MH277 Medium Hardener
 MH278 Slow Hardener
 MH279 Extra Slow Hardener

Compatible Substrates

MBC Basecoat
 MBP Acrylic Basecoat
 MTK Acrylic Urethane
 MAE/MH101/MH202 Catalyzed Acrylic Enamel

Preparation

Refer to information bulletin for MBC, MBP, MTK and MAE/MH101 for preparation of color. Allow basecoat color a minimum of 30 minutes and a maximum of 24 hours before clearing. MTK and MAE/MH101 require over night air dry before clear coating.

Mixing

Ratios



MC270 : MH27X
 4 : 1



Pot life is 1.5 - 2 hours at 70°F (21°C)

Additives

MX193	10% to RTS quart
MX194	0.5 oz. to RTS quart
MX148	Flat 51oz. to RTS gal.
	Eggshell 45 oz.. to RTS gal.
	Semi-gloss 42 oz. to RTS gal.

Clean Up

Clean spray guns, gun cups, storage pots thoroughly with MR Reducer, General Purpose Solvent or other appropriate clean up solvent after each use. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Application

Coats



2 - 3 full wet coats

Air pressure



HVLP 8 - 10 psi at the air cap
 Conventional 50 - 60 psi at the gun

Gun setup

1.3 - 1.5 mm or equivalent

Dry Times

Between coats



5 - 10 minutes at 70°F (21°C)

With MH276 Hardener



Dust: 5 - 10 minutes
 Tack: 30 - 50 minutes
 Tape: 2 - 4 hours
 Polish: 2 - 4 hours
 Force dry: 15 min. at 140°F (60°C)
 Recoat: 8 hours or overnight at 70°F (21°C)

With MH277, MH278, MH279 Hardeners



Dust: 10 - 15 minutes
 Tack: 50 - 60 minutes
 Tape: 2 - 4 hours
 Polish: 6 - 8 hours
 Force dry: 20 min at 140°F (60° C)
 Recoat: 8 hours / overnight at 70°F (21°C)

IR (Infrared)

12 - 15 minutes

Properties

VOC

Package 3.54 lbs/gal (424 gm/l)
 Applied Less exempts 4:1 4.18 lbs/gal (501 gm/l)

Film build per coat

Applied 4:1 1.2 mils

Square foot coverage at 1 mil

Applied 4:1 560 sq. ft. / gal., no transfer loss

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 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.

Material Safety Data Sheet:

Material Data Safety Sheets for the PPG products mentioned in this publication are available through your PPG Omni™ 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™ Distributor for the most up-to-date information.