

MC262 2.1 VOC 4+1 Urethane Clear

Background

OMNI® MC262 2.1 VOC 4+1 Urethane Clear is a fast-drying, two component, acrylic urethane clear that outperforms alternative value-priced clearcoats. This versatile urethane clear can be flattened and used as a specialty coating for low gloss interior and exterior applications. Inside and out, this economical coating is ready to tackle a variety of projects.

Components

Clearcoat

MC262 2.1 VOC 4+1 Urethane Clear

Hardener

MH266 Spot Repair Hardener
MH267 Overall Hardener
MH268 High Temperature Hardener
90°F (32°C) and above

Reducer

MR295 Medium 65-75°F (18-24°C)
MR296 Slow 75-85°F (24-29°C)

Compatible Products

Can be applied over:

MBPX Omni Plus 3.5 VOC Acrylic Urethane Basecoat
MBX 3.5 VOC Acrylic Basecoat
MTX 2.8 VOC Single Stage
MLX 2.8 VOC Acrylic Enamel

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 MC262.

Mixing



Ratios: MC262 : MH266/MH267/MH268 : MR295/MR296
4 : 1 : 0.5*

**Up to 0.5 part of reducer may be added*



Pot life: 1 - 1.5 hours at 70°F (21°C) w/MH266
2 - 2.5 hours at 70°F (21°C) w/MH267/MH268



Additives SLV4985 Universal Flattening Agent See ONECHOICE® product bulletin OC-7.
SLV814 Universal Flexiblizer add 5% to RTS quart
SLV73 Fisheye Eliminator Add .5 oz. to RTS quart
MR297 Retarder Up to 10% of total reducer can be added.

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

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)



Air Dry:

Dust:
Tack:
Tape:

With MH266

10 - 15 minutes
40 - 60 minutes
1 - 3 hours

With MH267/MH268

20 - 30 minutes
50 - 70 minutes
2 - 4 hours



Force Dry:

20 minutes at 140°F (60°C)

20 minutes at 140°F (60°C)



IR:

12 - 15 minutes

12 - 15 minutes



Polish:

Air Dry

16 hours at 70°F (21°C) to polish and put in service

Force Dry

2 hours to polish and put in service



Recoat:

Air Dry

16 hours at 70°F (21°C) to polish and put in service

Force Dry

After force dry and cool down

Must lightly scuff before recoating

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS151 Low VOC General Purpose Solvent or another appropriate clean up solvent after each use.

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

Properties

Film build per coat 1.5 - 2.0 mils

RTS Combinations:	MC262 : MH26X	MC262 : MH26X : MR295/MR296	MC262 : MH26X : SLV814
Volume Ratio:	4 : 1	4: 1 : 0.5	4 : 1 : 0.25
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating (flexed)
VOC Actual (g/L)	143 - 151	127 - 137	138 – 141
VOC Actual (lbs./gal)	1.19 - 1.26	1.06 – 1.15	1.16 – 1.18
VOC Regulatory (less water, less exempt) (g/L)	241 - 249	241 - 243	234 – 246
VOC Regulatory (less water, less exempt) (lbs./gal)	2.01 - 2.08	2.01 - 2.03	1.95 – 2.05
Density (g/L)	1057 - 1070	1083 – 1095	1077
Density (lbs./gal)	8.82- 8.93	9.04 - 9.14	8.95 – 8.99
Volatiles wt. %	52.5 - 58.1	57.8 - 62.0	54.7 - 58.9
Water wt. %	0.0	0.0	0.0
Exempt wt. %	38.1 - 44.7	45.1 - 50.3	46.1
Water vol. %	0.0	0.0	0.0
Exempt vol. %	37.0 – 42.8	42.8 - 47.4	41.4 – 43.8
Solids vol. %	40.0 - 45.4	37.5 - 38.1	40 – 44.7
Solids wt. %	41.9 – 47.5	38.0 - 42.1	41.1 – 45.3
Sq. Ft. Coverage / US gal 1 mil. At 100% transfer efficiency	658 - 728	602 - 661	642 – 717

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 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.

