



MPC183

High Reflective White

281 500SP

Matthews 281 500SP High Reflective White is a single component spray-applied coating designed for use on the interior surfaces of channel letters and sign cans to enhance brightness and eliminate lighting “hot spots”.



Features:

Benefits:

Low VOC technology	Environmentally friendly; Complies with most stringent VOC requirements
Acrylic resin system	Excellent adhesion to properly cleaned bare aluminum and steel; Will not yellow
Ready to spray as packaged.....	No mixing required; No pot life
Reflective coating	Enhances brightness and eliminates lighting “hot spots”

Compatible Surfaces:

281 500SP HR White may be applied over properly cleaned:

- Steel
- Aluminum

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Directions for Use

Surface Preparation:



- Apply a generous amount of 45 330SP Speed Prep or 6405SP Low VOC Cleaner to the surface with a clean cloth or a hand held spray bottle and wipe the surface until dry.
- The initial application will float contaminants to the surface, and the second wipe using a separate clean dry cloth, will remove contaminants.
- For maximum results, wipe the surface dry while it is still wet, using a clean white cloth in one direction. This will eliminate the smearing of contaminants. Be sure to change rags frequently.
- Never let the cleaner dry on the surface.

Mix Ratio:



- Must be shaken or stirred prior to use
- Strain material after mixing

Additives:



None

Spray Set Up:



Air Pressure: Conventional: 40 - 50 psi at the gun*
HVLP: 10 psi at the cap*
** Refer to spray gun manufacturer recommendations for inlet pressure.*



Pressure Pot Fluid Delivery: 8 - 12 Fluid Ounces per Minute



Gun Set Up: Siphon Feed: 1.6 - 1.8 mm 0.062 - 0.070 fluid tip
HVLP: 1.6 - 1.8 mm 0.062 - 0.070 fluid tip
Pressure Pot: 1.4 - 1.8 mm 0.055 - 0.070 fluid tip

Application:



Apply: Apply two wet coats, allowing proper flash time* between coats. Apply additional coats as necessary to achieve total dry film thickness.
**Flash times will vary dependent upon film thickness, temperature, spray gun set-up, application, etc.*

Recommended Film Thickness:	Per Coat	Total
Wet Film Thickness (WFT)	3.4 - 4.5 mils	6.8 - 9 mils
Dry Film Thickness (DFT)	0.8 - 1 mils	1.5 - 2 mils

Note: The product was designed to have a slight orange peel effect when dry for a better and even light reflection.

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Directions for Use

Estimated Drying Times:



Air-Dry @ 50% Relative Humidity, 70°F/21°C
Dry to Touch 10 - 15 minutes

Equipment Cleaning:

Clean equipment promptly with lacquer thinner or equivalent cleaning solvent.
Note: Do not leave mixed material in equipment.

Technical Data:

VOC Information

VOC Actual RTS	0.04 lbs/gal
VOC Actual RTS	4 g/L
VOC Regulatory (less water less exempt) RTS	0.15 lbs/gal
VOC Regulatory (less water less exempt) RTS	18 g/L

For complete VOC information, visit MatthewsPaint.com > Quick Links > VOC Data

Performance Characteristics

Volume solids (RTS)	22.3%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	358 sq.ft./RTS gal
Application Conditions - Temperature	60°F (16°C) Minimum 100°F (38°C) Maximum
Application Conditions - Relative Humidity	85% maximum 5° above dew point

Important: 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. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

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

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION - US (412) 434-4515; CANADA (514) 645-1320; Mexico 01-800-00-21-400
Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to Matthews Paint. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does Matthews Paint warrant freedom from patent infringement in the use of any formula or process set forth herein. If you require technical assistance, please call us toll-free 800/323-6593.

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The World's Finest Coating For Architectural Signage

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