



MPC173

Matthews Braco Clear

42 260SP

Matthews Acrylic Polyurethane (MAP®) 42 260SP Braco High Gloss Clear Finish is specifically developed for metals which tarnish, including brass, bronze or any copper alloys.

42 260SP Braco Clear is formulated with UV agents that ensure excellent gloss retention and protection of the color and substrate underneath.



Features:

- Retards discoloration of substrate
- Adds depth & appearance
- 2K Acrylic Polyurethane
- UV Resistant

Benefits:

- Preserves original appearance of decorative metals
- Consistent gloss
- Chemically Resistant
- Graffiti wipes right off with most common solvents

Compatible Surfaces:

42 260SP Braco Clear may be applied over:

- Brass
- Bronze
- Copper alloys

Required Products:

Catalyst

- 43 270SP Universal Catalyst
- 43 621SP Brushing Catalyst (For brush or roller application)
- 43 999SP Slow Catalyst (For hot weather or bake application)

Pretreatment

- 74 737SP Braco Pretreatment

Adhesive

- 74 793SP Spray Bond Adhesive

Reducers

- 6379SP Cool temperature, 60 - 75°F (16 - 24°C)
- 45 280SP Warm temperature, 70 - 80°F (21 - 27°C)
- 45 290SP Very warm temperature, 75 - 85°F (24 - 29°C)
- 6396SP Hot temperature, 80°F (27°C) & above
- 45 251SP Retarder

42 260SP

Directions for Use

Surface Preparation:

- Remove all buffing compounds.
- Clean with 45 330SP Speed Prep Cleaner. *Refer to MPC111 Technical Bulletin.*
- **Removal of all surface contaminants cannot be stressed too strongly!**
- Lightly dampen a clean, lint free cloth or chamois with 74 737SP Braco Pretreatment.
- Wipe surface of substrate with 74 737SP Braco Pretreatment making sure not to streak the surface.
- 74 737SP Braco Pretreatment must come in direct contact with the substrate being treated.
- Allow 74 737SP Braco Pretreatment 10 minutes to air-dry.

Mix Ratio:



Mix Ratios (by volume)

42 260SP Braco Clear	MAP Catalyst*	Map Reducer**
3 parts	1 part	1 part

* Catalysts that can be used in any MAP topcoats at a 3:1:1 ratio are:

- 43 270SP Universal Catalyst
- 43 999SP Slow Catalyst (For hot weather or bake application)

NOTE: If brushing or rolling is required, 43 621SP Brushing Catalyst is recommended at a ratio of six (6) parts paint to one (1) part catalyst to two (2) parts B/R Additive 47 444SP @ (6:1:2) mix ratio.

** Choose MAP reducer best suited for shop conditions.



- Clear, catalyst and reducer should be mixed in thoroughly before using.
- Mix no more material than will be used in an 8-hour period.
- Spray viscosity should be 18-22 seconds (#2 Zahn cup).
- Strain material following mixing.
- Pot life of mixture is 8 hours at 70°F (21°C). or 2 hours w/ 287 437SP accelerator.

Reducers:

MAP Reducers (Conventional):

6379SP	Cool temperature, 60 - 75°F (16 - 24°C)
45 280SP	Warm temperature, 70 - 80°F (21 - 27°C)
45 290SP	Very warm temperature, 75 - 85°F (24 - 29°C)
6396SP	Hot temperature, 80°F (27°C) & above
45 251SP	Retarder

Additives:



None required, but the following may be used for specific application or project needs:

287 437SP Accelerator	47 444SP Brush/Roller Additive
47 333SP Anti-Crater Solution	

Spray Set Up:



Air Pressure:	Conventional:	40 - 50 psi at the gun
	HVLP:	10 psi at the cap
	Pot Pressure:	10 - 12 psi
Gun Set Up:	Siphon Feed:	1.4 mm 0.055 fluid tip
	HVLP:	1.4 mm 0.055 fluid tip
	Pressure Pot:	1.2 mm 0.046 fluid tip

Directions for Use

Application:



Spray 2 medium wet coats 74 793SP Spray Bond Adhesive.

Flash 10-15 min.

Apply: 2 - 3 light coats of Braco Clear
Flash 5 - 10 minutes between coats
Apply additional coats as necessary to achieve total dry film thickness.

Recommended

Dry Film Thickness: 2 mils minimum (DFT)

Caution: All 2 component cross-linking stops or slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, poor water and chemical resistance, decreased durability and improper curing will occur.

Drying Times:



Air Dry (50% relative humidity, 70°F / 21°C)

Dust Free

Without Accelerator

30 minutes

With 287 437SP Accelerator

15 minutes

Tack Free

1 hour

20 minutes

Tape Time

16 hours

4 hours

Dry to Handle

24 hours

4 hours

Bake Dry with 43 999SP Slow Catalyst

Allow 10 - 15 minutes flash before baking to prevent solvent popping

60 minutes @ 150°F / 66°C

30 minutes @ 200°F / 93°C

10 minutes @ 300°F / 149°C

Temperatures over 350° / 177°C should be avoided.

Note: Paint films cured over 24 hours should be lightly dry scuff sanded with 320 - 400 grit by hand/machine or 600 wet grit sanded before recoating to assure proper adhesion.

Equipment Cleaning:

Clean up equipment promptly with 45 340SP Cleanz-It or an all-purpose clean up solvent.

Do not leave mixed material in equipment.

Technical Data:

VOC Information

42 260SP Braco Clear	4.87
MAP Catalyst	5.13
MAP Reducer	7.05
Ready to Spray (3:1:1)	5.33

Performance Characteristics

Volume solids	34.45%
Volume solids (RTS)	26.49%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	425 sq.ft./RTS gal.
Application Conditions	60°F (16°C) Minimum 100°F (38°C) Maximum
Relative Humidity	85% maximum 5° above dew point
Gloss	High 90° ± 5° w/60° meter
Flash Point (Tag closed cup)	Below 80°F (27°C)

42 260SP

Braco Clear

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 Material 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

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