

6178SP

6178SP High Performance Clear is a premium-quality 3.5 VOC high gloss clear which offers outstanding chemical and graffiti resistance.

6178SP produces an unsurpassed hard, durable finish with excellent gloss, scratch & chemical resistance and DOI.



Features

- Graffiti resistant
- · Chemical resistant
- High impact, mar, and abrasion resistance
- Submersible
- 3.5 VOC

Benefits

- · Quick graffiti removal
- Can be exposed to many different environments
- No loss of gloss in adverse environmental conditions
- Impervious to chlorine & other harsh chemicals
- High solids

Compatible Surfaces

6178SP High Performance Clear may be applied over:

- MAP®
- VOC MAP®
- Satin MAP®
- SVOC MAP®

Warning: Cannot be applied directly over 274 777SP Tie Bond or 274 793SP Spray Bond. If Tie Bond or Spray Bond is used, apply one coat of conventional clear then apply High Performance Clear.

Required Products

Catalyst: 6278SP, High Performance Catalyst

Reducers: 6378SP-S, HP Clear Reactive Reducer - Slow, 80°F (27°C) & above

Surface Preparation:

Substrate should be prepared according to product instructions prior to clearcoat application.



Mix Ratios (by volume):

6178SP High Performance Clear	:	6278SP High Performance Catalyst	:	6378SP-S Reducer
1 part	:	1 part	:	1/2 part

1/2 part of the Reactive Reducer must be added to obtain performance properties and to maintain 3.5 VOC.



Pot life 75°F (24°C) / 50% Humidity

4 hours with 6378SP-S7.43 VOC

Reducers:

HP Clear Reactive Reducer: 6378SP-S, Slow, 80°F (27°C) & above



Additives:

None



Spray Set Up:

Air Pressure		Gun Set Up	
Conventional	55 - 60 psi at the gun	Siphon Feed	1.4 mm - 1.8 mm
HVLP	10 psi at cap		0.055 fluid tip
Pot Pressure15-18 psi	15-18 psi	HVLP	1.4 mm - 1.7 mm
			0.055 fluid tip
			(fluid delivery
			12 - 14 oz./min.)
		Pressure Pot	1.2 mm 0.046 fluid tip



Application:

- Apply 2-3 medium coats
- Flash 15 20 minutes minimum between coats

Recommended Wet Film Thickness: 1.6 to 1.8 mils per coat **Recommended Dry Film Thickness:** 1.5 to 2.5 dry mils

Caution: All 2-component crosslinking stops or slows significantly at temperatures below 60°F (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.

Directions For Use (Continued)



Dry Times:

Dry Times at 75°F (24°C)

w/ 6378SP-S

Out of dust	1 hour
Print free	2.5 hours
Tape free	5 hours
To recoat	8 hours*

* Hotter temperatures can shorten recoat window.

Note: Hard to buff. Best if up to 24 hour cure because coating gets hard quickly.

Equipment Cleaning:

- Clean equipment promptly with an all-purpose clean up solvent or any compliant general cleaner.
- Do not leave mixed material in equipment.

Technical Data:

VOC Information

6178SP High Performance Clear	3.52
6278SP Catalyst	2.11
Reactive Reducers	7.43 (Less exempts)
VOC (RTS)	S-3.38 (Less exempts)

Performance Characteristics

Volume Solids (RTS)	47.71%
Weight Solids (RTS)	54.83%
Pencil Hardness	2Н
Gloss	90°+
Gloss Retention (1000 hrs. QUV)	100%
Humidity Resistance	100% adhesion, zero impact on gloss
Salt Spray	100% adhesion / no blistering
Chemical Resistance:	
30 Day Chlorine Immersion	Zero Impact
Gasoline Resistant (Drop Test)	Zero Impact
Diesel Fuel Resistant (24 Hr. Soak)	Zero Impact
Skydrol Resistant (24 Hrs. Soak @ 150°F)	Zero Impact
Toluene Resistant	Zero Impact
Theoretical Coverage (1 mil @ 100% transfer efficiency)	765 sq.ft.
Application Conditions	60°F (16°C) Minimum
	100°F (38°C) Maximum
Relative Humidity	85% maximum 5° above dew point

Note: All tests conducted after 168 hours or 7 days ambient dry time

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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