



www.medallionrefinish.com

5751 N. Webster Street  
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Phone 937-890-6547  
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## RS-2100

## TECHNICAL DATA

### Supreme Acrylic Urethane Clear

#### DESCRIPTION:

**RS-2100 Supreme Acrylic Urethane Clear** is a high quality acrylic urethane clearcoat formulated for overall and multi-panel applications. This clearcoat conforms to the 3.5 V.O.C. regulations. **RS-2100 Supreme Acrylic Urethane Clear** can be used with all urethane basecoat color systems. Easy 4:1 mix ratio and 2 coat application makes this clear a real time and cost-saver. **RS-2100 Supreme Acrylic Urethane Clear** should be used with a color coat of 6.6 lbs/gal VOC or less.

#### FEATURES:

- ✓ Outstanding gloss and D.O.I.
- ✓ Easy to buff next day
- ✓ European resins produces a high gloss and long-lasting finish
- ✓ Baking capabilities



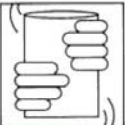
#### COMPATIBLE SURFACES:

Acrylic or polyester basecoats  
Activated polyurethane enamel (must be cured at least 8 hours)  
Activated acrylic urethane enamel (must be cured at least 8 hours)  
Gelcoat (must be adequately scuffed and cleaned)



#### INSTRUCTIONS:

Make sure product is at room temperature 72°F (22.2°C) before mixing



#### GUN SETUP:

Conventional Gravity	1.3mm -1.4mm	40-45 psi @ gun
Siphon	1.3mm -1.4mm	40-45 psi @ gun
HVLP gravity	1.3mm -1.4mm	8-10 psi @ gun

Fluid Adjustment for 1.3 mm nozzle—turn out 3 full turns

Fluid Adjustment for 1.4 mm nozzle---turn out 2 ½ turns

#### MIXING:

Mix 4 parts **RS-2100 Supreme Acrylic Urethane Clear** to 1 part activator according to temperature and size of area to be sprayed.





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**Activators:**

<b>RS-2260</b>	MS Acrylic Urethane Fast Activator	55°F-65°F (12.8°C-18.3°C)
<b>RS-2275</b>	MS Acrylic Urethane Medium Activator	65°F-85°F (18.3°C-29.4°C)
<b>RS-2285</b>	MS Acrylic Urethane Slow Activator	85°F-95°F (29.4°C-35.0°C)
<b>RS-2295</b>	MS Acrylic Urethane X-Slow Activator	95°F & Up (35.0°C & Up)

**Reducers:**

<b>RS-1860</b>	Fast Urethane Grade Reducer
<b>RS-1870</b>	Medium Urethane Grade Reducer
<b>RS-1885</b>	Slow Urethane Grade Reducer
<b>RS-1895</b>	X-Slow Urethane Grade Reducer

**Optional**

**RS-2100 Supreme Acrylic Urethane Clear** can be reduced 5-10% with Urethane Grade Reducer. Adding reducer will increase sprayable V.O.C.'s and decrease dry film thickness (DFT)

**Special Hot Weather Note:**

For spray temperatures over 100°F (37.8°C) add 1 oz. of **RS-1899 Retarder Solvent** per sprayable quart of clear to improve flow, leveling and cure through.

For faster cure and sand times, add up to 1 oz. of **RS-2050 Super Kick** per sprayable quart of clear. Accelerating clear will reduce pot life according to amount used.

**APPLICATION:**

1. Apply basecoat color per recommended procedures.  
**Note: Allow activated polyurethane and acrylic enamel systems to cure at least eight hours**
2. Apply two wet coats of **RS-2100 Supreme Acrylic Urethane Clear** using 40-45 psi at the gun for conventional guns and 8-10 psi for an HVLP gun.
3. Allow 10-15 minutes flash between coats.
4. Dry Times:
  - Dust Free: 10-12 minutes depending on temperature and activator selection
  - Tack Free: 30-40 minutes depending on activator speed
  - Force Dry: 20-40 minutes @ 140°F (60°C)
  - Delivery: 12 hours
  - Buff Time: Minimum 8 hours air dry; maximum 7 days



**BLENDING:**

1. Apply first coat of clearcoat
2. Extend second coat of clear past first coat
3. Mix the remaining clearcoat 1:1 with **RS-2710 Blend Eze Panel Blender/Color Checker**.
4. Apply mixture over the edge of the clear with 50% overlap to melt in the edge.
5. To further melt-in the remaining edge, apply 100% **RS-2710 Blend Eze Panel Blender/Color Checker** with 50% overlap.





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#### BUFFING:

**RS-2100 Supreme Acrylic Urethane Clear** can be wet sanded and buffed between 8 hours up to 7 days after applying.

Depending on length of cure time before buffing, a wool, finishing or foam pad could be used. Apply a straight line of liquid to a 2-3 foot area. Set the buffer of 1200-1800 RPM's. Use a 50% overlap. Wipe off excess material with a micro-fiber cloth.

Compound  
Compound Pad

Polish  
Polish Pad

Recommended Products:

**RS-674 Ultra Finish Compound**  
**RS-641 Combo Foam-Vex Pad**  
**RS-643 Wool Compounding Pad**  
**RS-644 Rockwool Polishing Pad**  
**RS-671 Gloss Max Polish**  
**RS-641 Combo Foam-Vex Pad**  
**RS-640 European Foam Polishing Pad**

#### TECHNICAL DATA

Color	Clear
Activator/Hardener	RS-2260, 2275, 2285, 2295
Reducer	RS-1860, 1870, 1885, 1895 (adding reducer will increase VOC)
Mix Ratio	4:1 (Reducer Optional)
Pot Life	4-6 hrs. @ 72°F (22.2°C), 50% RH
Number of Coats	2 Full Wet Coats
Flash Time	10-15 minutes
Dust Free	10-12 minutes
Dry to Sand 70°F (21°C) 50% RH	6-8 hours
Air Dry	6-8 hours
Force Dry (Metal Temperature)	20-40 mins. @ 140°F (60°C)
Gun Set-Up Gravity Feed (HVLP)	1.3mm – 1.4mm
Air Pressure @ Gun, HVLP	8 – 10 psi
Air Pressure @ Gun, Conventional	40 – 45 psi
V.O.C. Limit	5.0 lbs/gal (600 g/l) BC/CC combine
Sprayable V.O.C.*	3.46 lbs/gal (426 g/l) unreduced
% Solids Sprayable by Weight	41% (unreduced)
Coverage Sq. Ft. / gal @ 1 mil*	619 (Unreduced)
Package	Gallon
Number per case	4
Shelf Life	12 months

\*V.O.C.'s calculated using medium activator and /or medium reducer  
Material Safety Data Sheet (MSDS) is available on our website

**RS-2100-TDS**  
**12/06**



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