



www.medallionrefinish.com

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## RS-2300

## TECHNICAL DATA

### “Ultimate Clear” Universal Use Acrylic Urethane Clearcoat

#### DESCRIPTION:

**RS-2300 “Ultimate Clear”** is formulated with European resin technology and provides high gloss and ultimate long-term durability. It sprays and levels extremely well, giving perfect O.E.M. appearance or custom results. Easy sanding and buffing makes **RS-2300 “Ultimate Clear”** user friendly. It can be applied in air dry or bake environments.

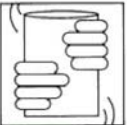
#### FEATURES:

- ✓ Universal performance for panel or overall use
- ✓ Lower viscosity for easier spraying and leveling
- ✓ Ultimate deep gloss
- ✓ Improved long-term durability and gloss retention
- ✓ Easy sanding and buffing
- ✓ Easy buffing in 8 hours air dry
- ✓ Excellent adhesion to all basecoat systems



#### 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 2 parts **RS-2300 “Ultimate Clear”** to 1 part  
**MS Series Activator** according to temperature and size of area to be sprayed.

#### 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)



**RS-2300-TDS**  
Revised 11/07



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**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

**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.

*Use RS-2285 MS Acrylic Urethane Slow Activator for bake systems*

**Optional RS-2300 "Ultimate 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)

**NOTE:** use slow or X-slow reducer for bake applications

For faster cure and sand times, add up to 1 ozs. of **RS-2050 Super Kick** per sprayable quart. Accelerated 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-2300 "Ultimate 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.  
**(Optional)** On small jobs (i.e. fenders & doors), one tack coat can be applied, followed by one full wet coat with no flash time between coats. Tack coat must be applied evenly.
3. Dry Times:
  - Dust Free: 10-15 minutes depending on temperature and activator selection
  - Tack Free: 30-40 minutes depending on activator speed
  - Force Dry: 30 minutes @ 140°F (60°C)
  - Delivery: 6-8 hours
  - Buff Time: Minimum 8 hours air dry up to 7 days

**BLENDING:**

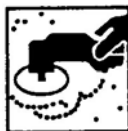
1. Apply first coat of clearcoat
2. Extend second coat of clear past first coat
3. Mix the remaining clearcoat 1:1 with **RS-2710 Blend Eze Panel Blender/Color Checker**.
4. Apply mixture over the edge of the clear with 50% overlap to melt in the edge.
5. To further melt-in the remaining edge, apply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

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#### BUFFING:

**RS-2300 "Ultimate 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 at 1200-1800 RPM's. Use a 50% overlap. Wipe off excess material with a micro-fiber cloth.

#### TECHNICAL DATA



Color	Water Clear
Activator/Hardener	RS-2260, 2275, 2285, 2295
Reducer	RS-1860, 1870, 1885, 1895 (adding reducer will increase VOC)
Mix Ratio	2:1 Reducer Optional
Pot Life	2.5 hours at 72°F (22.2°C) 50% RH
Number of Coats	2 Full Wet Coats
Flash Time	10-15 minutes
Dust Free	10-15 minutes
Dry to Sand 70°F (21°C) 50% RH	8-12 hours
Air Dry	8 hours
Force Dry (metal temperature)	30 minutes @ 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
Regulatory V.O.C.	3.99 lbs/gal (479 g/l)
Actual V.O.C.	3.50 lbs/gal (420 g/l)
Sprayable V.O.C.	
RS-2260	3.99 lbs/gal (478 g/l)
RS-2275	3.91 lbs/gal (462 g/l)
RS-2285	3.84 lbs/gal (460 g/l)
RS-2295	3.88 lbs/gal (466 g/l)
% Solids Sprayable by Weight	45% unreduced
Coverage Sq. Ft. / gal @ 1 mil*	717
Package	Gallon
Number per case	4
Shelf Life	12 months

Material Safety Data Sheet (MSDS) is available on our website

[www.rubber-seal.com](http://www.rubber-seal.com)

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