



www.medallionrefinish.com

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RS-2200

TECHNICAL DATA

2K “Ultra” Acrylic Urethane Clear

DESCRIPTION:

RS-2200 “Ultra Clear” Overall/Multi-Purpose Clear is a premium quality urethane clearcoat developed from the finest European and domestic raw materials available. Superior depth and gloss is achieved by using the finest European resins. **RS-2200 “Ultra Clear” Overall/Multi-Purpose Clear** is a medium solid product that meets the national VOC rule standards when mixed and used properly. This clear works exceptionally well in down-draft bake booths and in warm, humid environments. Several activator and reducer options are available for various spraying conditions.



FEATURES:

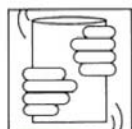
- ✓ Premium multi-panel and overall performance
- ✓ Excellent flow
- ✓ Extremely high gloss and depth of image (DOI)
- ✓ Compatible with all acrylic basecoat systems
- ✓ Years of excellent performance and durability
- ✓ Easy buffing within 12-72 hours.
- ✓ Superior gloss retention



COMPATIBLE SURFACES:

Acrylic 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)

NOTE: RS-2300 Ultimate Clear or RS-6100 European Clear EZ
should be used over polyester basecoats.



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



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MIXING:

Mix 2 parts **RS-2200 "Ultra Clear" Overall/Multi-Purpose Clear** to 1 part activator according to temperature and size of area to be sprayed.

Activators:

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

Reducers:

RS-1860	Fast Urethane Grade Reducer
RS-1870	Medium Urethane Grade Reducer
RS-1885	Slow Urethane Grade Reducer
RS-1895	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 applications

4.0 VOC Ratio

2 parts Clear
1 part Activator

4.4 VOC Ratio

2 parts Clear
1 part Activator
½ part Reducer

4.2 VOC Ratio Spot Panel

1 part Clear
1 part RS-1207V Activator

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-2200 "Ultra Clear" Overall/Multi-Purpose 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.

4. Dry Times:

Dust Free: 10-15 minutes depending on temperature and activator selection
Tack Free: 30-40 minutes depending on activator speed
Force Dry: 30-40 minutes @ 140°F (60°C)
Delivery: 6-8 hours
Buff Time: Minimum 12 hours air dry; maximum 7 days





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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.


BUFFING:



RS-2200 "Ultra Clear" Overall/Multi-Purpose Clear can be wet sanded and buffed after 12 hours.

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.

TECHNICAL DATA



Color	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	5 hrs. @ 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	12 hours
Force Dry (Metal Temperature)	30-40 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 Unreduced 4.0 lbs/gal (480 g/l) Reduce 4.4 lbs/gal (528 g/l)
Sprayable V.O.C.*	Unreduced 49% Reduced 46%
% Solids Sprayable by Weight	728
Coverage Sq. Ft. / gal @ 1 mil*	728
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-2200-TDS
12/06



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