

RS-790/791

TECHNICAL DATA

Select Shade™ 2K Urethane Primer/Sealer

DESCRIPTION:

RS-790 Select Shade™ 2K Urethane Primer/Sealer is a 2-component urethane primer surfacer. This primer is a fast dry primer that sands easily without loading the sandpaper. **RS-790 Select Shade™ 2K Urethane Primer/Sealer** can be sprayed directly on the underside of properly cleaned new e-coated body parts without sanding, saving hours of prep work. **RS-790 Select Shade™ 2K Urethane Primer/Sealer** has corrosion resistant properties eliminating the need for self-etch primer on cut-through and other small, bare-metal areas. Excellent adhesion and solvent resistance with all topcoat paint systems. The **RS-790 Select Shade™ 2K Urethane Primer/Sealer** is formulated in three colors (**RS-790W** white, **RS-790B** black and **RS-790G** gray).

These colors can be intermixed for various shades of primer/sealer for optimum basecoat coverage

FEATURES:

- ✓ Fast dry; can be sanded in 1 hour at 72°F (22.2°C)
- ✓ Excellent corrosion resistance
- ✓ Superior adhesion
- ✓ Ultra high build
- ✓ Apply directly to bare metal in repair areas
- ✓ Solvent resistant
- ✓ Easy sanding
- ✓ Can be used on flexible parts with **RS-793 Flexible Parts Activator**



COMPATIBLE SUBSTRATES:

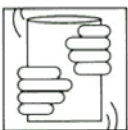
- Properly prepared steel
- All properly prepared rigid and semi rigid auto body parts
- All brands of polyester fillers and glazing putties
- Clean, properly sanded O.E.M. or refinish coatings
- Properly prepared aluminum
- Properly cleaned, unsanded inside surfaces of new e-coat parts

Note: Recommended that outer surfaces be scuff sanded before applying primer



INSTRUCTIONS:

Shake the **RS-790 Select Shade™ 2K Urethane Primer/Sealer** thoroughly before mixing.



GUN SETUP:

Conventional Gravity	1.6mm -1.8mm	40-45 psi @ gun
Siphon	1.6mm -1.8mm	40-45 psi @ gun
HVLP gravity	1.6mm -1.8mm	8-10 psi @ gun



5751 N. Webster Street
Dayton, OH 45414-0802
Phone 937-890-6547
Toll Free 800-257-6547
Fax 937-890-6320

www.medallionrefinish.com

MIXING:

RS-790W	White, Silvers, Light Yellows
RS-790W + 25% RS-790B	Medium Silver, Medium Yellow Light Blue, Light Green
RS-790G	Medium Gray, Medium Blue Medium Green, Medium Red, Medium Brown
RS-790G + 75% RS-790B	Dark Gray, Dark Blue, Dark Green, Dark Red
RS-790B	Black, Very Dark Green, Very Dark Red, Very Dark Brown



As a primer surfacer mix 4 parts **RS-790 Select Shade™ 2K Urethane Primer/Sealer** to 1 part **RS-791 Urethane Primer Activator (Standard)** or **RS-792 2K Urethane Primer Activator (Slow)**. **RS-793 Flexible Parts & Anti-Chip Primer Activator** can be used for flexible parts and metal parts for added resilience.

As a primer sealer mix 4 parts **RS-790 Select Shade™ 2K Urethane Primer/Sealer** to 1 part **RS-792 2K Urethane Primer Activator (Slow)** to 1 part **RS-1885 Slow Urethane Grade Reducer**. **RS-793 Flexible Parts & Anti-Chip Primer Activator** can be used for flexible parts and metal parts for added resilience.

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

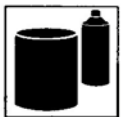
For faster cure and sand times, add up to 1 oz. of **RS-2050 Super Kick** per paint per paint cup. Accelerated primer will reduce pot life according to amount used.

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

TINTING:

RS-790 Select Shade™ 2K Urethane Primer/Sealer can be tinted using Rubber Seal Universal Primer Tints or any single stage mixing toner (solid colors only) at no more than 5% by weight (approx. 50 grams per quart of unreduced **RS-790 Select Shade™ 2K Urethane Primer/Sealer**)



SURFACE PREPARATION:

Wash area with soap and warm water. Thoroughly clean area with **RS-608 Slow Wax and Grease Remover** or **RS-609 Wax and Grease Remover**. **RS-610 Water Base Pre-clean** can be used where VOC restrictions apply.



RS-790-TDS
Revised 01/13



Sand area according to body filler manufacturer's recommendations. Reclean with **RS-608, RS-609 or RS-610**.

*For optimum adhesion and corrosion protection, bare metal surfaces should be coated with **RS-786 / 787 Self Etching Primer** or **RS-780 / 781 Epoxy Primer Sealer** before applying primer surfacer.*



APPLICATION:

Primer Surfacer

Apply 2-3 full wet coats of **RS-790 Select Shade™ 2K Urethane Primer/Sealer** using a good quality spray gun with a 1.6 to 1.8 tip. Allow 10-15 minutes flash time between coats. Allow 60-90 minutes @ 70°F (21°C) air dry before sanding. **RS-790 Select Shade™ 2K Urethane Primer/Sealer** can be baked for 15-20 minutes @ 140°F (60°C).

Primer Sealer

Apply 1 full wet coat of **RS-790 Select Shade™ 2K Urethane Primer/Sealer** using a good quality spray gun with a 1.3 to 1.4mm fluid tip. Allow 10-15 minutes flash time before applying topcoat.



SANDING:

Allow **RS-790 Select Shade™ 2K Urethane Primer/Sealer** to thoroughly cure before sanding. Sand primer surfacer with 180-220 grit sandpaper. If applying a sealer over the primer surfacer, finish sand with 320-400 grit sandpaper. If applying topcoat directly over the **RS-790 Select Shade™ 2K Urethane Primer/Sealer** finish sand with 400-500 grit sandpaper when applying basecoat and 320-400 grit sandpaper for single-stage system.

RECOAT WINDOW:

If the primer surface is not coated with primer sealer or color coat within a 48 hour period, the primer must be sanded with 180 to 220 grit sandpaper and re-applied before topcoating.



5751 N. Webster Street
Dayton, OH 45414-0802
Phone 937-890-6547
Toll Free 800-257-6547
Fax 937-890-6320

www.medallionrefinish.com

TECHNICAL DATA

Color	Grey, black & white
Activator/Hardener	791, 792, 793
Reducer	RS-1860,1870,1885,1895 (adding reducer will increase VOC)
Mix Ratio	4:1:5-10% High build 4:1:15-20% Medium build 4:1:1 Sealer
Pot Life	1 1/2 hrs. @70°F (21°C)
Number of Coats	2-3
Flash Time	10-15 minutes
Recoat w/o sanding	30 minutes
Dry to Sand	
Air Dry 70°F (21°C) 50% RH	60-90 mins. @70°F (21°C)
Force Dry	15-20 mins. @140°F (60°C)
Gun Set-Up Gravity Feed (HVLP)	1.6mm – 1.8mm
Air Pressure @ Gun	8 – 10 psi
Conventional Pressure @ Gun	40 -45 psi
V.O.C. Limit	5.0 lbs/gal (600 g/l)
Sprayable V.O.C.*	3.89 lbs/gal (466 g/l) 4:1 mix 4.01 lbs/gal (480 g/l) 4:1:1 mix
% Solids Sprayable by Weight	64% 4:1 mix 62% 4:1:1 mix
Coverage Sq. Ft. / gal @ 1 mil*	746 sq. ft. 4:1 mix 718 sq. ft. 4:1:1 mix
Package	Gallon
Number per case	4
Shelf Life	12 months



RUBBER-SEAL®

*V.O.C.'s calculated using RS-791 Activator and medium reducer

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

www.medallionrefinish.com

Health and Safety:

See Material Safety Data Sheet and labels for additional safety information and handling instructions.

- * 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 and MSDS's of all components, since the mixture will have the hazards of all its parts.
- * Improper handling and use, for example, poor spray technique, inadequate engineering controls and or lack of Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- * Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- * Provide adequate ventilation for health and fire hazard control.
- * Follow company, product MSDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- * Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on MSDS.
- * Always observe all applicable precautions and follow good safety and hygiene practices.
- * Material Safety Data Sheets are available at www.medallionrefinish.com.

RS-790-TDS
Revised 01/13