



MegaSeal™ RS

Epoxy Floor Resurfacer

Product Data/ Application Instruction

MegaSeal RS is a trowel applied epoxy floor resurfacing and leveling system for a new and old floors that provides a durable anti-slip finish. Fast Curing allows for minimal downtime and this 1/4" resurfacer offers much higher physical properties than those of concrete.

Recommended Uses

- High impact areas
- Industrial Plants
- Food and Beverage
- Chemical Processing Plants
- Automotive
- Pulp and Paper
- Waste Water Treatment

Product Code Information

99-6820/21	20 Sq. Ft. Kit
99-6820/27	480 Sq. Ft. Kit
99-6820/75	1440 Sq. Ft. Kit

Kit includes required amount of resin, hardener, and aggregate. Color is determined by the colored aggregate. Specify color aggregate with order.

Product Data

Color:	Gray; Haze Gray; Tile Red; Cement
Volume Solids:	98% ± 2% (Primer); 100% ± 2% (Resurfacer)
VOC:	0.2 lbs/gal, (25 g/L)- Primer 0.0 lbs/gal, (0 g/L)- Resurfacer
Coverage*:	20 sq. ft/batch @ 1/4" thickness (1.8m ² /batch @ 6mm thickness)
Weight/Gallon*:	8.6 lbs/gal (excluding aggregate)
Mixing Ratio:	2:1 Resin to Hardener by Volume - Primer 2:1 Resin to Hardener by Volume - Resurfacer 40 lbs. of Aggregate (1 bag) to 0.9 Gallon of mixed Resurfacer Liquid
Induction:	None
Pot Life*:	6 hrs- Primer; 45 min.- Resurfacer
Flash Point*:	158°F (75°C) PMCC- Primer 200°F (90°C) PMCC- Resurfacer
Clean-up:	Xylene, 97-727
Compressive Strength*:	10,000 psi (69 M Pa) ASTM – D- 695
Flexural Strength*:	2,446 psi (16.7 M Pa) ASTM – D- 790
Service Temperature*:	-10°F to 150°F (-23°C to 65°C) Dry Heat Resistance
Curing Schedule*:	
Foot Traffic -	12 hours @ 72°F (22°C) @ 50% RH
Full Cure -	18 hours @ 72°F (22°C) @ 50% RH
Application Temperatures:	55°F minimum to 95°F maximum (12°C minimum to 35°C maximum) *Must be 5°F (3°C) above dew point
Relative Humidity:	85% maximum

** These numbers are based on mixed components.*

Drying times listed may vary depending on temperature, humidity, color and air movement.

General Surface Preparation

(See Surface Preparation Bulletin for more detailed information.)

New Concrete: All surfaces must be firm, free of any laitance or efflorescence, clean free of any adverse moisture conditions, have an appropriate surface profile, and be well cured before coating. Newly poured **concrete must age at least 30 days at temperatures over 70°F (21°C) before coating.** Form release agents, sealers, curing compounds, salts, hardeners and other foreign matter will interfere with adhesion and must be removed. Shot blasting, mechanical scarification, suitable chemical means, or sandblasting should be employed to prepare substrate.

Old Concrete: Coatings older, uncoated concrete floors is done in much the same manner as new concrete. Before preparation the concrete surface must be thoroughly cleaned with a strong detergent to remove all grease, oils, etc. and all loose concrete must be removed.

Steel/Wood: Application to steel and wood floors is essentially the same as for concrete floors; however the surface preparation and structural considerations vary. Consult our PPGAF Technical Service Department for proper evaluation and recommendations.

Previously Painted Surfaces: Consult PPGAF Technical Service Department for proper evaluation and recommendations.

WARNING! If you scrape, sand, or remove old paint, you may release dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contracting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

Recommended Primers

Concrete/Wood: 1st coat: MegaSeal RS Primer
2nd coat: MegaSeal RS Epoxy Floor Resurfacer

Steel: 1st coat: All Weather DTR
2nd coat: MegaSeal RS Epoxy Floor Resurfacer

Mixing and Application Information

Primer: Two hours before application of MegaSeal RS Epoxy Floor Resurfacer, apply MegaSeal RS Primer to an area no larger in size than can be surfaced within 8 hours time. After 8 hours, repriming or abrading may be necessary. It is strongly recommend that only full units be used, that both components are thoroughly mixed and that all material from the bottom and sides of the container is mixed. We do not recommend using partial kits. **DO NOT** scrape or drain mixing containers. **DO NOT** reduce this material. The MegaSeal RS Epoxy Floor Resurfacer kit includes enough Primer for the unit area. Primer is to be applied to new or old concrete floors. Power mix component A and component B with an appropriate metal mixer blade and let stand 10 minutes prior to application. Pour the mixed Primer onto the area to be primed, pouring in a narrow ribbon paralleling a wall or work area. Apply Primer with a 1/2" (13 mm) nap roller, rolling out a sufficient quantity to insure complete wetting of floor surface. Apply Primer in a liberal fashion on very porous surfaces. For irregular surfaces such as cracks, potholes and eroded areas and areas adjacent to walls and corners, application by brush is recommended. Check the primed area for holidays and dry spots and **roll out any puddles.**

Primer can also be easily sprayed using conventional or airless spray equipment. **Do not** reduce material.

Resurfacer: Pour hardener into short filled resin can and mix 1-2 minutes until homogeneous. Then pour entire mixture into a clean 5 gal (18.5L) metal pail. Mount the pail into a 5 gal (18.5L) portable electric mixer*. Start mixer and operate for 1 minute working mixing blade slowly through its full arc. Slowly add all aggregate from bag over a period of 2-3 minutes. Continue mixing for 2 minutes until aggregate is wet-out thoroughly. Immediately empty mixture onto primed floor surface and spread to desired thickness with a metal float or by screening. Finish surface with a 3" x 12" (76mm x 305mm) steel trowel. Keep trowel clean with Xylene (97-727). Pitch to drains as required.

*If a 5 gal (18.5L) portable electric mixer is not available, use conventional mortar mixing techniques. Contact our PPGAF Technical Service Department for specific information, or if in doubt about procedures, techniques or equipment.

Using a steel trowel wetted with Xylene (97-727), and held at an angle, apply pressure to the surface. Use a sweeping motion to level, pack and close the surface. A surface free of lap marks is achieved by maintaining a wet edge through continuous application of freshly mixed material. A properly finished surface will show few trowel marks and the surface will be closed. Areas where MegaSeal RS Epoxy Floor Resurfacer will butt against existing concrete need to be "keyed" by saw cutting or chipped a channel 1/4" (6mm) deep by 1" (25mm) wide around the perimeter or the resurfaced area and beveling material down to the level of existing concrete. Clean all adjacent floor areas and equipment with Xylene (97-727) solvent before MegaSeal RS Epoxy Floor Resurfacer cures and hardens.

Packaging

20 sq. ft. (1.8m²) unit = 1 Batch

1- Gallon (3.78L) 1/2 – Gallon (1.89L)

40 lb. Bag of Aggregate

480 sq. ft. (44m²) bulk unit* = 24 Batches

5- Gallon (18.5L) 1-Gallon (3.78L)

40 lb. Bag of Aggregate

1440 sq. ft. (133m²) special bulk unit* = 72 Batches

55- Gallon Drum- (207.9L) 3-Gallon (11.34L)

40 lb. Bag of Aggregate

** Proportioning from a bulk unit is accomplished at the job site with the aid of a factory marked 5-quart measuring bucket (included with bulk kit) indicating correct amount of resin and hardener to use for each batch. Sufficient primer and required number of bags of aggregate are supplied with all units.**

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

This product is for industrial use only. Not for residential use.

Warranty

PPG warrants only its title to the products, and that the products will be set forth in the warranty statement, if any, on the products labeling or in the absence of any such warranty statement that the products will conform to PPG's applicable published specifications. PPG's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PPG of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

PPG makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

Any recommendation or suggestion relating to the use of the products made by PPG, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Due to PPG's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the PPG Protective & Marine Coatings website at www.ppgpmc.com.

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall PPG be liable for consequential or incidental damages.



**PPG Protective &
Marine Coatings**
www.ppgpmc.com

One PPG Place, Pittsburgh, PA 15272 • Tel: (800) 441-9695