



MegaSeal™ WRU

Three component, 95% solids, moisture cured urethane with outstanding abrasion resistance

Product Data/ Application Instruction

- Unique, high-solids, abrasion resistant coating
- Semi gloss finish
- Excellent gloss retention
- Outstanding abrasion and impact resistance
- Good chemical and stain resistance
- Tough and flexible coating

MegaSeal™ WRU displays excellent color and gloss retention during extended service periods.

MegaSeal WRU has excellent adhesion to primed concrete providing a durable, easy-to-clean flooring system. May be used over MegaSeal TF as a durable, abrasion-resistant topcoat for extra heavy duty service.

Typical Uses

- Concrete floors

Recommended Systems

Substrate	Primer	Finish Coat
Concrete	MegaSeal TF MegaSeal HSPC	MegaSeal WRU MegaSeal WRU

* Other PPG epoxy primers are also acceptable.

Refer to specific primer's product data sheets and applications instructions for detailed application and surface preparation information. Apply test patch to intact coating to confirm compatibility and adhesion.

When MegaSeal TF is used as a primer for MegaSeal WRU the maximum topcoat time is 24 hours. Clean and roughen surface if topcoat time is exceeded.

Products

99-3729	Neutral Resin
99-3755	Aggregate
99-3733	Cure

Physical Data

Finish	Semi Gloss
Color	Refer to MegaSeal Color Chart (POS#H14179)

Available colors are:

White (99-CLR01/04)
Black (99-CLR02/04)
Tile Red (99-CLR03/04)
Sandstone (99-CLR04/04)
Light Gray (99-CLR10/04)
Deck Gray (99-CLR12/04)
Haze Gray (99-CLR14/04)
Raffia (99-CLR23/04)

All color options are packaged as colorant additives to be mixed at the time of application. The colorant additive comes in a quart size can. One quart can is required per mixed kit.

For a colored system- mix four components: resin, cure, aggregate, and colorant. For a clear system – mix three components: resin, cure and aggregate. DO NOT USE PARTIAL VOLUMES.

Components	3
Curing mechanism	Solvent release and chemical reaction
Volume Solids (ASTM D2697 modified)	95% ± 3%
DFT per coat	3-5 mils (75-125 microns)
Coats	1
Theoretical coverage	ft ² /gal
3 mils (75 microns)	507
5 mils (125 microns)	295
VOC (EPA 24) mixed	0.7 lb/gal 84 g/L
Temperature resistance, dry	°F °C
Continuous	200
Intermittent	250 121
Flash point (SETA)	°F °C
cure	316 158
resin	186 85

Chemical Resistance Guide

Environment	Splash and Spillage
Acidic	E
Alkaline	E
Salt solutions	
Acidic	E
Neutral	E
Alkaline	E
Fresh water	E
Solvents	G
Petroleum products	E
F-Fair G-Good E-Excellent NR-Not Recommended	

This table is only a guide to show typical resistance of MegaSeal WRU. Contact your sales representative for your particular corrosion protection needs.

Environmental Conditions

Temperature air or surface

	°F	°C
MegaSeal WRU	50 to 80	10 to 27

Surface temperature must be at least 5°F (3°C) above dew point to prevent condensation.

Application Data

Applied over prepared and primed concrete.

Surface preparation

Concrete	See specific primer
Previously coated surface	SSPC-SP-3 or 7

Appearance will vary depending on substrate and application method.

Mixing ratio As supplied

Pot life (hours)	°F/°C		
	90/32	70/21	50/10
MegaSeal WRU	2	4	6

Environmental Conditions

Temperature, air or surface	°F	°C
MegaSeal WRU	50 to 80	10 to 27

Relative Humidity 0-85%

Surface temperature must be at least 5°F (3°C) above dew point to prevent condensation.

Drying time (ASTM D1640) hours

	°F/°C			
	90/32	70/21	50/10	
touch	3	5	10	
through	5	7	24	
foot traffic	8	12	24	
pneumatic wheeled	48 hrs	72 hrs	144 hrs	
vehicular traffic				
hard wheel equipment	1 week			
Recoat time hours	°F/°C			
	90/32	70/21	50/10	
minimum	4	8	16	
maximum	12	24	36	

Drying times are dependent on air and surface temperatures as well as film thickness, ventilation and relative humidity.

Maximum recoating time is highly dependent upon actual surface temperatures – not simply ambient air temperatures.

Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window.

Roughen surface if maximum recoat time is exceeded.

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your sales representative.

Application Equipment

High quality, lint free roller with 1/4" nap.

Application Procedure

1. Mix the resin and cure thoroughly with a power mixer. Mix at a slow to medium speed, being careful not to whip air into the mixture.
2. Slowly mix the 99-3755 aggregate into the mixture. under slow agitation. Mix thoroughly.
3. Pour a modest amount of the mixed material into the roller pan.
4. Roll 3-4 overlapping horizontal passes in a 6-8 foot width.
5. Cross roll with diagonal strokes to blend in roller trails.
6. Roll with vertical strokes (perpendicular) to the initial application until the desired uniformity is achieved.
7. Continue with this technique until the work area is completely coated.

Repair

Spot blast or power tool clean bare substrate to the requirements shown under surface preparation. Feather edges of intact coating. Remove dust, dirt and contamination before recoating.

Shipping Data

Packaging unit	5gal
Resin	1 quart
Cure	2 gal in 5 gal can
Aggregate	11.95 preweighed

Shipping weight (approx)	lbs
5 gal unit	
resin	2.2
cure	19.3
Aggregate	11.95

Shelf life when stored indoors at 40 to 100°F (4 to 38°C) resin 1 year from shipment date and cure 1 year from manufacturing date.

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions.

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

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