



HPC/Industrial Maintenance

MEGASEAL™ WB Water Based Epoxy Floor Coating

GENERAL DESCRIPTION

MegaSeal WB is a two-component, high solids, low voc, water based epoxy floor coating specifically designed to provide an attractive full gloss finish in industrial environments. MegaSeal WB offers low odor and is ideal for use in moderate to high traffic condition and moderate chemical exposure.

RECOMMENDED USES

Excellent for use in warehouses
Clean rooms
Mechanical rooms
Assembly Plants

PACKAGING

1.5-Gallon (5.67L)
5-Gallon (18.9L)

SAFETY

Proper safety procedures should be followed at all times while handling these products. Read labels and Material Safety Data Sheets (MSDS) for important health/safety and personal protective equipment information before use. MSDS are available through our website www.ppghpc.com or by calling 1-800-441-9695. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.**

PRODUCT CODE INFORMATION

98-7631	Haze Gray
98-7633	Sandstone
98-7635	Tile Red
98-7637	White
98-7639	Clear
98-7641	Deck Gray
98-7698	Curing Agent for Clear
98-7699	Curing Agent for Colors

PRODUCT DATA

GLOSS:	Full Gloss
VOLUME SOLIDS*:	96% +/- 2%
VOC*:	0.028 lbs/gal. 3.36g/L- Colors 0.012 lbs/gal. 1.44g/L- Clear
COVERAGE*:	200 sq. ft./gal. 18.5 sq. m/3.78L
DFT*:	7 to 9 mils
WEIGHT/GALLON*:	10.681 lbs/gal. (based on components for colors)
MIXING RATIO:	Consult PPGAF Technical Service Department
INDUCTION*:	5 mins
POT LIFE*:	40 mins. @ 72°F (22°C)
FLASH POINT*:	200°F (93°C)
VISCOSITY*:	2400 cps
CLEAN UP:	Xylene, 97-727
SERVICE TEMPERATURE*:	180°F (82°C) Dry Heat Resistance
CURING SCHEDULE*:	Recoat- 8 hours minimum @ 72°F (22°C) @ 50% RH 72 hours maximum @ 72°F (22°C) @ 50% RH Light Foot Traffic- 24 hours @ 72°F (22°C) @ 50% RH Full Service- 72 hours @ 72°F (22°C) @ 50% RH Full Chemical Cure- 5 days @ 72°F (22°C) @ 50% RH

* 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: Coating 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. Holes and cracks should be filled with one of the MegaSeal Crack Fillers before application of a coating. If surface deterioration presents an unacceptable rough floor, MegaSeal RS is recommended to patch and resurface damaged concrete.

Wood: A clean, sound wood surface is required. Remove any oils and dirt from the surface using degreasing solvent or strong detergent. Follow with sanding to remove loose or deteriorated surface wood and to obtain the proper surface profile. Consult PPGAF Technical Service Department for specific recommendations.

Previously Painted Surfaces: If the paint is peeling or degrading in any way, it should be completely removed by sanding, blasting or stripping. If previous paint coating is completely intact, the surface may be cleaned with a strong detergent or solvent and scuff sanded to remove the gloss. A spot test should be done by applying a small amount of coating over the old paint. The old finish may wrinkle or lift within 60 minutes. If it does not, wait 5 days and test for adhesion and compatibility. Do this by cutting an "X" into the coating, placing tape firmly over the cut, then strip with a hard, fast pull. If the old finish fails, it must be removed.

Important- When recoating freshly applied MegaSeal WB (98-7631 series/98-7698 series), it must be done no less than 8 hours after application of the previous coat and no more than 72 hours at 72°F (22°C) @ 50% RH. Product must be tack free before recoating. If this "window" has passed, the surface of the cured MegaSeal WB must be abraded to insure adhesion of subsequent coats.

WARNING! If you scrape, sand, or remove old paint, you may release lead 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 contacting 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 HSPC (99-6639/99-6640), MegaSeal WBPC (98-6634 or 98-6635/98-6636) or MegaSeal WBPC (98-6637/99-6638)
2nd coat: MegaSeal WB (98-7631 series/98-7698 series)

Painted Surfaces in Sound Condition:

1st coat: MegaSeal WBPC (98-6634 or 98-6635/98-6636)
2nd coat: MegaSeal WB (98-7631 series/98-7698 series)

MIXING AND APPLICATION INFORMATION

Before mixing MegaSeal WB (98-7631 series) it is important that the surface be completely prepared and ready and that all tools and equipment are handy. To mix 5 gallon units: Use appropriate electric or air mixer (approximately 250 rpm) with metal mixing blade. Pour stirred curing agent (98-7698 series) into short filled resin (98-7631 series) can and mix for 2 to 3 minutes until material is thoroughly blended. It is strongly recommended 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.

MIXING AND APPLICATION INFORMATION (cont.)

Pour mixed material directly on the surface in a long puddle and spread using either a flat or a notched rubber squeegee. An applicator wearing spiked shoes should then immediately back roll and cross roll the material with a quality "lint-free" 3/8" nap roller cover. Finish application by "laying off" in one direction. Care should be taken to apply the entire project in one continuous application. Avoid rolling back into material after it has been on the floor for more than 15 minutes.

LIMITATIONS OF USE

Consult the surface preparation bulletin to determine appropriate surface test methods prior to application. For Professional Use Only; Not Intended for Household Use.

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

PPGAF believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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