



HPC/Industrial Maintenance

MEGASEAL™ SL/HB High Build Self Leveling Epoxy

**GENERAL DESCRIPTION**

MegaSeal SL/HB is a three-component, high build, self-leveling floor coating. This high performance flooring system provides high gloss and a seamless, hygienic surface that is extremely hardwearing and durable. MegaSeal SL/HB is ideal for applications requiring film builds greater than 30 mils DFT.

**RECOMMENDED USES**

|                |                                            |
|----------------|--------------------------------------------|
| Clean Rooms    | Food Processing Plants                     |
| Hangers        | Areas where thicker film build is required |
| Laboratories   | Production Facilities                      |
| Traffic Aisles |                                            |

**PACKAGING**

25 lb. bag  
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](http://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**

|         |                         |
|---------|-------------------------|
| 99-6600 | High Build Additive     |
| 99-6680 | Haze Gray               |
| 99-6681 | Deck Gray               |
| 99-6682 | Tile Red                |
| 99-6683 | Sandstone               |
| 99-6684 | White                   |
| 99-6695 | Curing Agent for Colors |
| 99-6696 | Curing Agent for White  |

**PRODUCT DATA**

|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GLOSS:                | Full Gloss                                                                                                                                                                                                                                 |
| VOC*:                 | 0.019 lbs/gal (2.28 g/L)                                                                                                                                                                                                                   |
| VOLUME SOLIDS*:       | 100%                                                                                                                                                                                                                                       |
| COVERAGE*:            | 15 to 50 sq. ft/gal (1.4 to 4.6 sq. m/3.78l)                                                                                                                                                                                               |
| DFT*:                 | 30 to 100 mils                                                                                                                                                                                                                             |
| WEIGHT/GALLON:        | 21.15 lbs/gal. (9.6 kg) (additive only)                                                                                                                                                                                                    |
| MIXING RATIO:         | Consult PPGAF Technical Service Department.                                                                                                                                                                                                |
| INDUCTION:            | None                                                                                                                                                                                                                                       |
| POT LIFE*:            | 45 mins. @ 72°F (22°C)<br>*Note- Higher or lower temperatures can dramatically effect pot life, consult with PPGAF Technical Service Department for more details                                                                           |
| FLASH POINT*:         | 200°F (93°C)                                                                                                                                                                                                                               |
| VISCOSITY*:           | 6000 cps (mixed colors)                                                                                                                                                                                                                    |
| CLEAN UP:             | 97-727 Thinner                                                                                                                                                                                                                             |
| SERVICE TEMPERATURE*: | 120°F (49°C)                                                                                                                                                                                                                               |
| CURING SCHEDULE*:     | Recoat - 8 hours minimum @72°F (22°C) @ 50% RH<br>72 hours maximum @72°F (22°C) @50% RH<br>Foot Traffic - 24 hours minimum @72°F (22°C) @50% RH<br>Heavy Service - 72 hours @72°F (22°C) @50% RH<br>Full Cure - 5 days @72°F(22°C) @50% RH |

\*Note-Higher or lower temperatures can dramatically effect cure times, consult with PPGAF Technical Service Department for details.

\* 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 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.

**Steel:** Consult PPGAF Technical Service Department for specific recommendations.

**Wood:** 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 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 SL/HB (99-6600 and 99-6680/99-6695 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. If this "window" has passed, the surface of the cured MegaSeal SL/HB 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](http://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:** 1<sup>st</sup> coat: MegaSeal HSPC (99-6639/99-6640), MegaSeal WBPC (98-6634 or 98-6635/98-6636) or MegaSeal WBPG (98-6637/98-6638)  
2<sup>nd</sup> coat: MegaSeal SL/HB (99-6600 series and 99-6680/99-6695 series)

**Painted Surfaces**

**in Sound Condition:** 1<sup>st</sup> coat: MegaSeal WBPC (98-6634 or 98-6635/98-6636)  
2<sup>nd</sup> coat: MegaSeal SL/HB (99-6600 and 99-6680/99-6695 series)

## MIXING AND APPLICATION INFORMATION

To mix 5 gallon units: Use appropriate electric or air mixer (approximately 250-500 rpm) with metal mixing blade. Premix resin (99-6680 series) for 1/2 minute then pour curing agent (99-6696 series) contents into short filled resin can. Mix for 2 to 3 minutes moving blade around can while mixing. Avoid whipping air into material. Next, pour entire epoxy mixture into 6-10 gallon mixing container. Continue mixing while slowly adding MegaSeal SL/HB Additive (99-6600). Mix for approximately 1 minute or until additive is evenly dispersed. 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.)

**APPLICATION INSTRUCTIONS:** With material freshly stirred, pour substantial portion on floor in a bead 18" to 24" wide. Using a 3/16" V-notched rubber squeegee, pull through material until bead almost runs out. Pour new material onto end of bead to maintain wet edge. By holding the squeegee perpendicular to the floor and applying very little pressure, 50-55 mils DFT/WFT can be applied. By tilting the squeegee towards the applicator and applying increased pressure, thickness can be progressively decreased to a minimum of 30 mils DFT/WFT. Check film thickness frequently. An applicator wearing spiked shoes should then immediately backroll and crossroll the material with a 3/8" soft woven roller to facilitate leveling. After a minimum of 15 minutes, but no longer than 30 minutes set-up time, material should be rolled with a spike roller to remove any entrapped air. **Do Not** spike roll after 30 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 100°F maximum  
(12°C minimum to 35°C maximum)  
\*Must be 5°F (3°C) above dew point

**RELATIVE HUMIDITY:** 80% 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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