



HPC/Industrial Maintenance

MEGASEAL™ HPU High Performance Urethane

GENERAL DESCRIPTION

MegaSeal HPU is an interior, exterior, high solids, chemically resistant floor coating that is easily applied via brush, roll, or spray. MegaSeal HPU has superior color retention, chalk resistance and is available with an anti-slip finish.

RECOMMENDED USES

Industrial and Commercial Facilities
Chemical Processing facilities
Aircraft Hangers
Auto Service Areas
Marine

PACKAGING

1 Gallon (3.78L)
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.pphpc.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. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

PRODUCT CODE INFORMATION

99-6730	Clear
99-6732	Haze Gray
99-6734	Deck Gray
99-6636	Sandstone
99-6738	Tile Red
99-6740	White

99-6731	Curing Agent for Clear
99-6733	Curing Agent for Colors
99-6700	Anti-slip Additive

PRODUCT DATA

GLOSS:	Full Gloss
VOLUME SOLIDS*:	65% +/- 2% (colors)
VOC*:	2.8 lbs/gal. (336 g/L)
COVERAGE*:	250 sq. ft/gal. (23 sq. m/3.78L)
DFT*:	3 to 5 mils
WEIGHT/GALLON*:	9.6 lbs/gal. (4.4 kg/3.78L) (based off components for colors)
MIXING RATIO:	Consult PPGAF Technical Service Department.
INDUCTION:	None
POT LIFE:	4 hours @ 72° F (22°C)
FLASH POINT*:	108°F (42°C)
CLEAN UP:	Xylene, 97-727
SERVICE	
TEMPERATURE:	200°F (90°C) Dry Heat Resistance
CURING	
SCHEDULE:	Recoat- 6 hours min. @ 72°F (22°C) @ 50% RH
	Foot Traffic- 24 hours min @ 72°F (22°C) @ 50% RH
	Full Service- 72 hours min. @ 72°F (22°C) @ 50% RH
	Full Cure- 7 days min. @ 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.

Steel: All surfaces must be dry, clean and free of all previous coatings, rust and surface contamination. Minimum surface preparation is abrasive blast to Commercial Grade SP-6. Blasted surfaces must be coated within 8 hours. Prior to blast cleaning, remove all deposits of oil or grease using Solvent Clean method SP-1.

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 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 or an appropriate barrier coat should be considered.

Important: When recoating freshly applied MegSeal HPU (99-6730 series). It must be done no less than 6 hours after application of 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 HPU (99-6730 series) 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: Any appropriate MegaSeal Primer (clear or gray)

2nd coat: 1-2 coats of MegaSeal HPU (99-6730 series) with anti-slip aggregate (99-6700) if requested.

Painted Surfaces in Sound Condition:

1st coat: 1-2 coats of MegaSeal HPU (99-6730 series) with anti-slip aggregate (99-6700) if requested.

Steel: 1st coat- All Weather DTR (97-946/97-949 or 97-948/97-949 series)

2nd coat- 1-2 coats of MegaSeal HPU (99-6730 series) with anti-slip aggregate (99-6700) if requested.

MIXING AND APPLICATION INFORMATION (cont.)

Material can not be sprayed if anti-slip aggregate is used. It is strongly recommended that only full units are used, that both components are thoroughly mixed, and that all material from the bottom and sides of the container are mixed. We do not recommend using partial kits. **Do Not** scrape or drain mixing containers. Clean all equipment with Xylene, 97-727.

To mix 1-gallon kit: use same procedure as a 5-gallon unit, except a smaller blade is required.

Important- Addition of anti-slip aggregate produces only a light anti-slip texture. Product should not be used in place of an anti-slip finish when safety is a concern.

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:

40°F minimum to 90°F maximum
(4°C minimum to 32°C maximum)

*Must be 10°F (6°C) above dew point

RELATIVE HUMIDITY: 85% maximum

To mix 5-gallon kit: Premix resin (99-6730 series) component before combining. Pour curing agent (99-6731 & 99-6733) into short filled resin can and power mix using an appropriate metal mixing blade approximately 250 rpm for 2-3 minutes to insure that all pigment is completely dispersed. Anti-slip additive is mixed into the final coat just prior to application. Application over rough surfaces will reduce coverage. MegaSeal HPU is easily sprayed, brushed or rolled. A 3/4" pile roller is recommended for final coat when an anti-slip aggregate is used, otherwise a high quality 3/8" nap roller cover is recommended. Consult PPGAF Technical Service Department.

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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