

PERMACOAT 6500

For Containment of Industrial Solvents and Acids

DESCRIPTION

PERMACOAT 6500 is a 100% solids epoxy novolac containment and/or floor coating system. The PERMACOAT 6500 is specifically designed as a containment product for industrial solvents and acids.

PERMACOAT 6500 consists of two components, resin and hardener, in both the horizontal and vertical formulations. The application of the PERMACOAT 6500 is accomplished with rubber squeegees and short nap paint rollers.

FUNCTION

The PERMACOAT 6500 system is designed as a 60-250 mil secondary containment/floor system where exposure to harsh chemicals such as **Nitric Acid, Glacial Acetic Acid, Ethylene Dichloride or N-Methyl-2-Pyrrolidone** are anticipated. PERMACOAT 6500 can be installed over most sound substrates including old or new concrete and many types of repair mortars.

TYPICAL APPLICATIONS

- Sumps
- Trenches
- Chemical process floors
- Tank farm containment
- Chemical loading and unloading areas
- Drum storage areas

FEATURES

The PERMACOAT 6500 containment system allows for fast, easy applications with minimal down time. PERMACOAT 6500 is monolithic and non-porous,

eliminating the most common avenues of flooring/containment failure (i.e. seams and porosity).

The resinous PERMACOAT 6500 system exhibits very high physical properties, approximately 3-4 times those of standard concrete.

OTHER FEATURES INCLUDE:

- Non-flammable
- Low odor
- Non-skid safety finish

TYPICAL PROPERTIES

Solids, by Volume	100 %
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Hardness (Shore D) ASTM D2240	80
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Flexural Strength ASTM D790	14,000 psi
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Tensile Strength ASTM D307	10,000 psi
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Bond Strength to Concrete ASTM D4541	Exceeds tensile strength of concrete. Failure in concrete
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Taber Abrasion ASTM D4060 CS 17 Wheels	Loss/1000 cycles =25 mg
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Compressive Strength ASTM C579	12,000 psi

PACKAGING AND COVERAGE

The PERMACOAT 6500 resin and primer are packaged in one and three gallon units. Each unit consists of pre-measured components, Part A (Resin) and Part B (Hardener).

Application thickness may vary from 80-250 mils, depending on the expected service conditions. Factors to consider are 1) length of chemical exposure, 2) mechanical abuses and 3) substrate texture.

CURE TIME

The cure time of PERMACoat 5000 and other resinous systems are very dependent upon the temperature of the substrate. The chart below

represents the approximate times for the respective service conditions, following the last coat:

<u>Service (hours)</u>	<u>70F</u>	<u>80F</u>	<u>90F</u>
Foot Traffic	10	8	6
Light Chemical	14	12	10
Fork Lift	24	16	12

MIXING AND APPLICATION

For mixing and application information, please refer to the PERMACOAT 6500 Application Bulletin.

CLEAN-UP

All mixing and application equipment should be cleaned immediately after use. If this is done, soap and water or biodegradable cleaners can be used. If the material has begun to set, more aggressive solvents will be necessary. Before using solvents, refer to their respective SDS for handling considerations.

WHERE PERMACOAT 6500 SHOULD NOT BE INSTALLED

PERMACOAT 6500 should not be applied over substrates:

- subject to hydrostatic pressure
- which are unsound
- which are contaminated and cannot be cleaned
- at temperatures below 60 degrees F (Consult ChemProof Polymers)

SAFETY

Read Safety Data Sheets (“SDS”) before using. PERMACOAT 6500 contains blended Epoxies as the resin and blended Amines as the hardener. Protective clothing and gloves are recommended to prevent sensitization to these materials. In case of ingestion or eye contact, it is advisable to contact a physician immediately. SDS are available for this product upon request.

WARRANTY

ChemProof Polymers, Inc. warrants that at the time of shipment, its products are free of defects in material and workmanship. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by ChemProof Polymers, Inc. ChemProof Polymers, Inc. makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Owner/End User or Purchaser. CHEMPROOF POLYMERS, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTIBLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REFUND OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND CHEMPROOF POLYMERS, INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE OWNER/END USER, PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE OWNER/END USER OR PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY CHEMPROOF POLYMERS, INC.’S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by ChemProof Polymers, Inc. and Owner/End User or Purchaser.

The full product warranty is available at www.chemproof.com.

CONTACT INFORMATION

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