



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

THEMECOAT® 762

Two Component Modified Polyurea Protective Coating

DESCRIPTION

Themecoat® 762 is a two component, 1:1, 100% solids, pourable, liquid applied, modified polyurea liner system for mold making.

FEATURES

- ❖ Tough and Elastomeric
- ❖ Low Temperature Flexibility
- ❖ Abrasion and Impact Resistant
- ❖ Seamless
- ❖ Unlimited Build
- ❖ Chemical Resistant

TYPICAL USES

- ❖ Mold Liners and Form Processes

COLOR

Clear/Neutral. Custom colors are available upon request.

Due to its aromatic composition, Themecoat® 762 will tend to darken in color and will become flat after exposure to UV light. Themecoat® 762 may be topcoated within twelve hours of application with an aliphatic polyurethane/polyurea coating for a colorfast finish.

PACKAGING

10 gallon kit: 5 gallons (47 lbs. net) Part-A (Isocyanate side) and 5 gallons (43 lbs. net) Part-B (Resin side).

100 gallon kit: 50 gallons (477 lbs. net) Part-A (Isocyanate side) and 50 gallons Part-B (Resin side) (neutral: 426 lbs. net; black: 420 lbs. net).

250 Gallon Totes

COVERAGE

Themecoat® 762 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1604 sq. ft.

SURFACE PREPARATION

In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption, which may affect the adhesion of the coating system, regardless of the surface preparation. Polycoat recognizes the potential for unique substrates from one project to another. The following information is for general reference, and for project-specific questions, contact Polycoat.

TECHNICAL DATA

Mix Ratio, by volume	1A:1B
Pot Life @ 75°F	15-20 minutes
Cure Time @ Room Temp.	> 24 hours
Demold Time @ 1/2"	18-24 hours
Viscosity, Brookfield:	
Side-A	1200 ± 500 cps
Side-B	500 ± 200 cps
Specific Gravity	
Side-A	1.10
Side-B	1.02
Density (Side-A & B Combined)	8.84 lbs/gal
Flash Point	> 200°F
Hardness	75 ± 5 Shore A
Tensile	2200 ± 500 psi
Elongation	550 ± 50%
Tear	250 ± 25 pli
Split	45 ± 5 pli
Resilience	40 ± 5%
VOC Content	0 gm/lit

Plastic Foams:

Enhanced adhesion is obtained when the foam is mechanically abraded. When coating polystyrene, do not use a solvent-based primer.

Textiles, Canvas, Fabrics:

Adhesion to most fabrics, geothermal membranes and textiles does not require a primer.

All Other Surfaces:

An adhesion test is recommended prior to starting the project.

MIXING

Themecoat® 762 may not be diluted under any circumstances. Thoroughly mix Themecoat® 762 Part-B (Resin side) with air driven power equipment until a homogeneous mixture and color is obtained. Mix 1:1 by volume.

APPLICATION

Both Side-A and Side-B materials should be preconditioned to 75-80°F before application.

Recommended surface temperature must be at least 5°F above the dew point.

Themecoat® 762 should be poured in smooth, multidirectional passes to improve uniform thickness and appearance.

STORAGE

Themecoat® 762 has a shelf life of six (6) months from date of manufacture, in factory-sealed containers.

Part-A and Part-B drums are recommended to be stored above 60°F.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Part-A and Part-B drums regularly.

LIMITATIONS

Do not open until ready to use.

Both Part-A and Part-B containers must be fitted with a desiccant device during use.

WARNING

This product contains Isocyanates and Curative Material.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.