



**PRODUCT DESCRIPTION**

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

**FEATURES**

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

**TYPICAL USES**

- Mold Liners and Form Processes

**PACKAGING**

10-gallon kit: 5 gallon (47 lbs or 21 kgs net) pail of Side-A, 5 gallon pail (43 lbs or 19.6 kgs net) of Side-B

100-gallon kit: One 50 gallon (477 lbs or 216 kgs net) drum of Side-A, one 50 gallon drum (neutral: 426 lbs or 193 kgs net; black: 420 lbs or 191 kgs net) of Side-B

**COLORS**

Clear/Neutral. Custom colors are available upon request.

Due to its aromatic composition, Themecoat® 762 will tend to yellow or 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

**MIXING**

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

**COVERAGE**

Themecoat® 762 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sqft (3.78 liters per 149 sqm).

**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.

**PLASTIC FOAMS:**

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

**TECHNICAL DATA** (Based on Draw Down Films)

<b>Mix Ratio</b>	1A : 1B
<b>Pot Life @ 75°F (24°C)</b>	15-20 Minutes
<b>Cure Time @ Room Temperature</b>	> 24 hours
<b>Demold Time @ 1/2" (1.27 cm)</b>	18-24 hours
<b>Viscosity at 150-160°F (66.6-71°C), Brookfield:</b>	
Side-A	1200 ± 500 cps
Side-B	500 ± 200 cps
<b>Specific Gravity</b>	
Side-A	1.10
Side-B	1.02
<b>Density (Side A &amp; B Combined)</b>	8.84 lbs/gal (1060 kg/m <sup>3</sup> )
<b>Flash Point</b>	>200°F (>93.3°C)
<b>Hardness, ASTM D-2240*</b>	75 ± 5 Shore A
<b>Tensile, ASTM 412-C*</b>	2200 ± 500 psi (15 ± 3.45 MPa)
<b>Elongation, ASTM 412-C*</b>	550% ± 50%
<b>Tear, ASTM 624-C*</b>	250 ± 25 pli (48.2 ± 4.4 kN/m)
<b>Split</b>	45 ± 5 pli (7.78 ± 0.88kN/m)
<b>Resilience</b>	40 ± 5%
<b>VOC Content</b>	0 lbs/gal

**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.

**APPLICATION**

Both Side-A and Side-B materials should be preconditioned to 75-80°F (24-32°C) before application.

Recommended surface temperature must be at least 5°F (3°C) above the dew point.

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

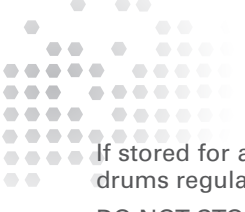
**STORAGE**

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

Side-A and Side-B drums are recommended to be stored above 60°F (15°C).

Avoid freezing temperatures.

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



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

DO NOT STORE OUTSIDE.

## LIMITATIONS

Do not open until ready to use.

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

## WARNING

This product contains isocyanates and curative material.

**Limited Warranty:** Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. 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, instructions, and project specific recommendations. Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product 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.

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