



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

THEMECOAT™ 2120
Rigid Structural Foam
Technical Data Sheet

DESCRIPTION

Themecoat™ 2120 is a high density spray applied polyurethane rigid foam that is fast curing and cost effective. It is mainly used as a back up foam where additional stiffness and strength is required. Themecoat™ 2120 exhibits an excellent balance of stiffness and impact resistance.

FEATURES

- ❖ Good Heat Resistance
- ❖ Zero V.O.C.
- ❖ Will Bond to other Urethane Sprayed Substrates.
- ❖ Low Exotherm allowing High Build Up

RECOMMENDED USES

- ❖ Used as a Back up Foam when Creating Natural Environments
- ❖ Prop and Themeing

COLORS

Neutral.

PACKAGING

100 gallon kit: One 50 gallon drum of Part-A and one 50 gallon drum of Part-B.

COVERAGE

Themecoat™ 2120 theoretical coverage is 5 Board feet per gallon

SURFACE PREPARATION

Remove all contaminant, oil and grease from substrate. For all molds, do a test patch with mold release to confirm releasability before conditioning the entire mold.

MIXING

Themecoat™ 2120 may not be diluted under any circumstances. Thoroughly mix Themecoat™ 1502 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained or use recirculation.

APPLICATION

Themecoat™ 2120 should be applied using a 1:1 plural component equipment capable of producing a minimum delivery rate of 1¼ gallons per minute at tip pressure of 3000 psi (20.7 MPa) and heating the individual component to **170°F (77°C)** using an impingement gun.

Hose temperature should be maintained at **135-150°F (57-65°C)**. The Themecoat™ 2120 material should be preheated to **75-90°F (24-32°C)**.

Themecoat™ 2120 should be sprayed in multidirectional passes for a proper uniform thickness.

TECHNICAL DATA

Mix Ratio by Volume	1A : 1B
Total Solids by Volume	100%
Cream Time	10 ± 5 sec
Rise Time	30 ± 5sec
Viscosity at RVT4/20 RPM, 80°F (27°C):	
Part-A	200 ± 100 cps
Part-B	4600 ± 500 cps
Density (Side A & B Combined)	20 ± 5 pcf
Shelf Life	9 months
Volatile Organic Compounds	0 lbs/gal 0 gm/liter

EQUIPMENT CLEAN UP

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

STORAGE

Themecoat™ 2120 has a shelf life of nine (9) months from date of manufacture in factory sealed containers.

Part-A and Part-B drums must be stored above 50°F (10°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 Part-A and Part-B drums regularly.

LIMITATIONS

Do not open until ready to use.

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.