



**PRODUCT DESCRIPTION**

Themecoat® 10# polyurethane foam systems are designed for molding and void filling application. Themecoat® 10# can be designed to meet a variety of reactivity requirement without sacrificing product quality and can be formulated to a wide range of densities from 4 to 25 lbs/ft<sup>3</sup>. The unique handling characteristics of the Themecoat® 10# series system provide ease of mixing by hands or machine to produce a uniform product with excellent cell structure. This product does not contain any CFC blowing agent or other Ozone Depleting chemical.

**TYPICAL USES**

The Themecoat® 10# series systems have been formulated for use in the manufacturing of molded picture frames, furniture parts, structure floats and other design application.

**PACKAGING**

10-gallon kit: 5 gallon (18.9 liters) pail of Side-A and 5-gallon (18.9 liters) pail of Side-B.

100-gallon kit: 50 gallon (189 liters) drum of Side-A and 50-gallon (189 liters) drum of Side-B.

500-gallon kit: 250 gallon (945 liters) tote of Side-A and 250 gallon (945 liters) tote of Side-B.

**STORAGE AND HANDLING**

Containers for Side-A and Side-B should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Side-B may be stored at ambient temperatures. Storage for Side-A should be maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be re-heated in a well ventilated oven for a period of time to re-liquefy solid particles.

To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

**TYPICAL PROPERTIES SIDE-A (ISO)**

<b>Viscosity, cps @ 77°F (25°C)</b>	150-200
<b>Specific Gravity @ 77°F (25°C)</b>	1.23
<b>Appearance @ 77°F (25°C)</b>	Liquid

**TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)**

<b>Viscosity, cps @ 77°F (25°C)</b>	700-1100
<b>Specific Gravity @ 77°F (25°C)</b>	1.04
<b>Appearance @ 77°F (25°C)</b>	Viscous Liquid

**TYPICAL PHYSICAL PROPERTIES**

<b>Density, PFC - ASTM-1638</b>	10
<b>Compressive Strength - ASTM 1621</b>	400 psi (0.7 MPa)
<b>Tensile Strength - ASTM 1623</b>	350 psi (0.7 MPa)
<b>Shear Strength - ASTM C-273</b>	220 psi (0.7 MPa)

**PROCESSING CHARACTERISTICS 74°F (25°C)**

<b>Ratio, by Volume A:B</b>	1:1
<b>Cream Time</b>	8-10 Seconds
<b>Rise Time</b>	36-42 Seconds
<b>Demold Time</b>	5-10 Minutes

**SAFETY**

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact your Polycoat Products representative.



**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.

**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 user's 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. Polycoat Products is not responsible for typographical errors. ©2019 Polycoat Products. All rights reserved.

**Revision 20191024AG.**

