

PRODUCT DESCRIPTION

Themecoat® 5# polyurethane foam systems are designed for molding and void filling application. Themecoat® 5# 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/ft³ (64-401 kg/m³). The unique handling characteristics of the Themecoat® 5# 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® 5# 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-A 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)

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

TYPICAL PROPERTIES SIDE-B (POLYOL BLEND)

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

TYPICAL PHYSICAL PROPERTIES

Density, PFC - ASTM-1638	5
Compressive Strength - ASTM 1621	250 psi (1.7 MPa)
Tensile Strength - ASTM 1623	190 psi (1.3 MPa)
Shear Strength - ASTM C-273	105 psi (1.7 MPa)

PROCESSING CHARACTERISTICS @ 74°F (25°C)

Ratio, by Volume A:B	1:1
Cream Time	8-10 Seconds

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.



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