



**PRODUCT DESCRIPTION**

Themecoat® 756-FR is a two component, 1:1 mix, fast cure 100% solids modified aromatic polyurea/polyurethane elastomeric system. It is designed, as a spray in mold elastomer for producing various flexible texture skins, as a spray in the mold or post finishing for protecting flexible foam systems and as a tough protective membrane for water- proofing various surfaces. The product must be applied with heated plural component spray equipment.

**FEATURES**

- Abrasion and Impact Resistant
- Chemical Resistant
- High Build
- Low Temperature Flexibility
- Quick Drying
- Seamless
- Tough and Elastomeric

**TYPICAL USES**

- Architectural Shapes
- Decorations
- Encapsulation of Fiberglass Bodies and Polystyrene Foams
- Tree Bark

**PACKAGING**

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

**COLORS**

Neutral or Black. Custom colors are available upon request. Additional charges may apply.

**COVERAGE**

Themecoat® 756-FR should be applied in thin passes to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sqft (3.78 liters per 149 sqm).

**SURFACE PREPARATION**

Remove all contaminant, oil and grease from substrate.

**APPLICATION**

Themecoat® 756-FR should be applied using a 1:1 plural component equipment capable of developing a minimum of 2000 psi (13.8 MPa) and heating the individual component to 170°F (77°C) using an impingement gun.

Both Themecoat® 756-FR Side-A and Side-B materials should be continuously agitated before and during application. Agitate at least 1 hour prior to application using heavy duty drum agitator.

Hose temperature should be maintained at 160-170°F (72-

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

<b>Mix Ratio</b>	1A : 1B
<b>Pot Life</b>	2-5 seconds
<b>Tack Free Time</b>	10-30 seconds
<b>Recoat Time</b>	0-12 hours
<b>Viscosity at 150-160°F (66.6-71°C), Brookfield:</b>	
<b>Side-A</b>	250 ± 50 cps
<b>Side-B</b>	400 ± 20 cps
<b>Density (Side A &amp; B Combined)</b>	10.02 lbs/gal (1220 kgs/m <sup>3</sup> )
<b>Flash Point</b>	>200°F (>93.3°C)
<b>Hardness, ASTM D-2240*</b>	48 ± 5 D
<b>Tensile, ASTM 412-C*</b>	1200 ± 200 psi (8.3 ± 1.4 MPa)
<b>Elongation, ASTM 412-C*</b>	100% ± 20%
<b>Tear, ASTM 624-C*</b>	400 ± 30 pli (70 ± 8.7 kM/n)
<b>Service Temperature - Dry</b>	-20°F to 250°F (-29°C to 121°C)

(\*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi (32 MPa) minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F (66-72°C). Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate).

77°C). The Themecoat® 756-FR material should be preheated to 75-80°F (24-27°C).

**STORAGE**

Themecoat® 756-FR has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

Side-A and Side-B drums must 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 Isocyanate and Curative Material.



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