



A Commercial Thermal Solutions Company

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<p>Technical Data Sheet - E-84 Fire Rated Fast Rise Polyurethane Foam Formula</p>		
<p>Applies to Product ID# TG600FR and TG200FR Portable Spray Foam Insulation Systems</p>		
<p>Approvals and Standards: ASTM E-84 - Class 1 Approval Flame Spread: =25 Smoke Developed: =200 ODP (Ozone Depletion Potential): Contains non-ozone depleting, non-flammable HFC Propellant - Commonly referred to as "water-blown". Tiger Foam conforms to international guidelines for protection of the ozone layer and with respect to the Montreal Protocol of 1987 and other environmental guidelines, utilizes an approved propellant.</p>	<p>Product Description: Tiger Foam E-84 Class 1 Fire Rated foam insulation is a multi-purpose, two component, closed-cell polyurethane foam formula specifically formulated for fire retardancy. The packaging and delivery system and components were designed to be user and environmentally friendly. These systems are both portable and disposable and completely self-contained to provide flexibility in end use performance. Thermal Insulation, sealant, vibration absorption, flotation, sound or condensation control - all perfect applications for Tiger Foam Products. Details at our website: www.tigerfoam.com</p>	
<p>Application: Spray foam onto any dry, clean surface in any direction, even to the underside of a floor or roof deck. This product is very adhesive and will stick to practically any substrate except Teflon or oily surface and seals, insulated and is especially critical where flame retardant specifications require E-84 Class 1 foam.</p>	<p>Special Features: Cleanable Tips (use acetone) Metered Spray Gun Guns and hoses come factory assembled Hoses extend from top of tank and sprayed upright</p>	
<p>Properties: Two component foam systems will begin to expand immediately upon chemical reaction of the "A" component (a polymeric isocyanate) and "B" (a polyol blended with proprietary additive ratios) component chemicals to a volume that is 5-8 times the dispensed volume, depending on ambient conditions. The foam will cure to a semi-rigid, closed-cell foam. Optimum application temperature of the chemicals in the tanks is 75° F (24° C) to 85° F. (34° C) and may be sprayed onto colder or warmer substrates, with slight effects on the foam's characteristics. Cured foam is resistant to heat and cold -200° F to +200° F (-129° to +93°C). It is also resistant to any negative effects of aging. It is not resistant to UV light and must be painted, coated or covered if exposed to direct sunlight after application. Cured foam is also chemically inert and non-reactive in approved applications. Tiger Foam systems require no outside electrical or mechanical power source. When sprayed, TIGER FOAM provides a continuous thermolitic barrier.</p>		
<p>Technical Data: Density: 1.75 lbs./ft³ (28 kg./m.³) K-Factor: (ft²)(h)(°F)=BTUinch 0.162 R-Value: 6.2 - 7.4 (depends on external factors such as temperature and humidity during application and curing.) Perm Rating: @ 1" = 2.6 @ 3" = 1.2 Tensile Strength: Parallel@10% = 45psi (310 kPa) Compressive: Parallel@10% = 22psi (152 kPa) Closed Cell Content = Greater Than 90%</p>	<p>Tack Free Expansion Time: 30-60 sec Cutttable: 2-5 Minutes Sandable: 1 hour Paintable: 5 Minutes Theoretical Yield: TG600FR = 600 bd ft exp (50 cu. ft.) TG200FR = 200 bd ft exp (17 cu. ft.) Expands approx. 8:1 from liquid state</p>	<p>Tank Specs: DOT - 39 Approved Cylinders <u>TG600FR</u> H: 26" W: 17" Weight: 62 lbs. per tank 115 lbs per kit <u>TG200FR</u> H: 18" W: 12" Weight: 21 lbs. per tank 42 lbs per kit</p>

Tiger Foam Insulation. Unleash the Beast on Your Insulation Project!