



APPLICATION GUIDELINE

ALDOCOAT 757 Ignition Barrier Coating

ALDOCOAT 757 is an interior intumescent ignition barrier coating for spray polyurethane foam (SPF) insulation. ALDOCOAT 757 is a white water based latex system that cures within 24 hours.

ALDOCOAT 757 has been tested and approved according to SwRI 99-02 for use on InsulStar and Sealite spray polyurethane foam systems

Coverage rate is specified to be 10 mil wet film thickness (7.5 dry mils), applied in one pass. This is equivalent to 0.75 gallon per 100 ft² of surface area.

Expected usage rates must be increased for overspray of studs, rough foam surfaces and material losses. Experienced applicators will be able to determine the proper Adjustment Multiple*. The Adjustment Multiple may increase usage to more than 1 gallon per 100 ft².

Job Usage Calculation:

$$\frac{\text{_____}}{\text{(Width)}} \text{ ft} \times \frac{\text{_____}}{\text{(Height)}} \text{ ft} = \frac{\text{_____}}{\text{(Area)}} \text{ ft}^2$$

$$\div 100 = \underline{\hspace{2cm}}$$

$$\times \text{Adjustment Multiple* (_____)} = \underline{\hspace{2cm}}$$

$$\times 0.75 = \underline{\hspace{2cm}} \text{ gallons required}$$

Sample Calculation:

$$\frac{120}{\text{(Width)}} \text{ ft} \times \frac{10}{\text{(Height)}} \text{ ft} = \frac{1200}{\text{(Area)}} \text{ ft}^2$$

$$\div 100 = \underline{12}$$

$$\times \text{Adjustment Multiple* (1.15)} = \underline{13.8}$$

$$\times 0.75 = \underline{10.4} \text{ gallons required}$$

Relevant Building Codes:

International Building Code (IBC) 2006 – Chapter 26, Section 2603 Paragraph 2603.4.1.6 Attics and crawlspaces. “Within an attic and crawl space where entry is made only for service of utilities, foam plastic insulation shall be protected against ignition by 1.5-inch-thick (38mm) mineral fiber insulation; 0.25-inch-thick (6.4mm) wood structural panel, particleboard, or hardboard; 0.375-inch (9.5mm) gypsum wallboard, corrosion-resistant steel having a base metal thickness of 0.016 inch (0.4mm) or other approved material installed in such a manner that the foam plastic insulation is not exposed. The protective covering shall be consistent with the requirements for the type of construction.”

International Residential Code (IRC) 2006 – Section R314, Paragraph R314.5.3 Attics and crawlspaces. “Within attics and crawlspaces where entry is made only for service of utilities, foam plastics shall be protected against ignition by 1.5 - inch-thick (38mm) mineral fiber insulation, 0.25 - inch-thick (6.4mm) wood structural panels, 0.375 –inch (9.5mm) particleboard, 0.25 - inch (6.4mm) hardboard, 0.375 – inch (9.5mm) gypsum board, or corrosion-resistant steel having a base metal thickness of 0.016 inch (0.406mm). The above ignition barrier is not required where the foam plastic insulation has been tested in accordance with Section R314.6”
Section R314.6— Testing – Southwest Testing Laboratories – Test Procedure SWRI 99-02