



FOAM-LOK™

SPRAY FOAM WALL INSULATION

SPRAY GUIDE

GENERAL

These instructions contain critical information for the successful installation of **FOAM-LOK 500 Low-Density Wall Insulation™**. Compared to standard spray foams this product has different handling characteristics and requires specific mixing procedures and exacting pressures and temperatures along with modified spray techniques. When these recommendations are followed, **FOAM-LOK 500** will provide the high yield and insulating value typical of this class of spray polyurethane foam insulation.

EQUIPMENT RECOMMENDATIONS

Excellent results have been obtained with Probler or Gusmer Gap air purge spray guns equipped with a 210 fan tip assembly. An #01 chamber is recommended for more control. An #02 chamber can be used provided operating pressure can be maintained at or above 1,200 psi. "D" guns and other low-pressure types do not mix and atomize efficiently enough and should not be used. To produce the highest yield and optimum cell structure, dynamic pressures must be maintained above 1,200 psi and temperatures must be at least 125° F at the gun. Higher settings will facilitate installation under cooler application conditions. Iso and poly components in drums must be at a minimum of 70° F.

SPRAY TECHNIQUE

Unlike conventional spray foams, **FOAM-LOK 500** must not be applied with an overlapping spray pattern. A minimum 2-inch pass thickness should be applied while keeping the spray pattern ahead of the rising foam. To ensure adhesion to studs when filling wall cavities the stud surfaces must be sprayed directly using a rapid back and forth sweeping motion while moving from one end of the cavity to the other. It is advisable to test spray a small area to ensure the equipment is functioning properly and that all the previous resin has been flushed from the system.

SAFETY

Spray only in well ventilated areas. Cartridge type respirators are only effective for short term, low level exposure. Positive air respirators are required when applying isocyanate-containing materials. Workers with the following medical conditions should not work with polyurethane spray foam: Chronic respiratory diseases, asthma, history or presence of allergic disease or skin allergies.

CAUTION

Exposed foam insulation in an interior area presents an unreasonable fire risk. In no instance should **FOAM-LOK 500** be installed without suitable fire resistive thermal barrier.