D • **BASF** We create chemistry Tips for Optimum Yield

ENERTITE® Series Open cell water-blown spray foam products

IT IS STRONGLY ENCOURAGED TO COMPLETE A QUALITY CONTROL DAILY REPORT AND AN INSULATION CARD FOR EACH PROJECT.

1. Material temperature (in the drum) should be about 70°F. Individual equipment varies, but generally heaters are not capable of increasing the material temperature from 60°F to 120°F consistently. That combined with using large mix chambers (#2) can prevent the material being sprayed from ever reaching the setpoint. Although it is not recommended, if the material must be recirculated to warm it, 85°F is the maximum setting.

 Equipment temperature settings should be 105-135°F. Slightly higher in winter and lower in summer. ENERTITE G drips when cold. ENERTITE G may collapse slightly or shrink back when processed too hot.
Proportioner set pressure setting should be 1150 -1450 psi. Be aware that increased pressure can cause spraying into rising foam, trapping odors or blowing back.

4. Hose heat is an extremely important part of the system. Ensure that the hose wrap/insulation is intact, including the whip section. The placement of the Fluid Temperature Sensor is important as well. If the FTS is not near the gun or remains coiled in the rig, it will detect a false reading. The hose heater circuit may not be initiated.

5. Technique plays a crucial part in obtaining low density foam which impacts yield. Fine tuning application technique involves finding ideal spray distance, speed, and overlap simultaneously in order to improve yield. Ideally, foam will be applied in each cavity in a single lift (6-inch max). This allows chemical reaction heat to expand the cells, maximizing expansion. If multiple thin passes or touch-ups are applied, there is less heat, less expansion, and the finished cut surface may be affected.

The rate of foam expansion (reaction time) is dependent on processing temperature. If the foam seems hard to control or it is difficult to "keep up with the wave", consider lowering the heater settings.
Use a technique that "wets the framing". Picture framing or using a wide side-to-side motion that allows

the liquid spray to contact all surfaces will promote strong adhesion and minimize gaps that require touchups.

Refer to Application Guidelines for more details.

TECHNICAL ASSISTANCE

For more detailed information, contact Inside Technical Sales at Toll-Free: 1-800-706-0712, Option 2 (CST) Email: <u>spf.techsales@basf.com</u> Website: <u>www.spf.basf.com</u> Technical data sheets: <u>http://www.spf.basf.com/TDS-SDS-INFO.php</u>

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BASF Spray Foam APP available for download:



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