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APPLICATOR BULLETIN

RECOMMENDATIONS FOR STORAGE AND USE OF POLYURETHANE FOAMS USING 245fa BLOWING AGENT

In response to EPA mandated changes, NCFI has developed a series of polyurethane foams which utilize a new generation blowing agent, HFC 245fa. This ingredient has a boiling point of 60 degrees F as opposed to the much higher boiling HCFC 141b that it replaces. This fact will impact how you handle and store materials. This applies to the R side drum only.

Keep drums tightly sealed. Do not store drums in direct sunlight. Avoid unnecessary agitation of drums. Store between 65 – 85 degrees F. Store as cool as possible in the temperature range.

Use caution in removing drum bungs as contents may develop pressure. Loosen ¾" bung and let gas escape before completely removing in a well ventilated area.

Drum pump should be fully screwed into 2" bung to form a gas tight seal. Drum pumps which cannot maintain a gas tight seal will need to be repaired or replaced.

The Pressure Regulator such as shown here can be attached to the air supply for the R side drum pump to maintain the drum head pressure. NCFI has these available, if you need one for your set up call your NCFI sales rep or contact the NCFI Technical department.

Maintain an air blanket of 2 to 3 psi on the R side drum while in use to prevent frothing within the drum and off ratio product at the proportioner. Use of a pressure regulator with over pressure protection to prevent drum rupture is strongly recommended. The pressure does not have to remain on the drum when the system is not in use, but you must keep the drum tightly sealed.

Promptly replace and tighten drum bungs on partially empty drums to prevent loss of blowing agent. Pour over of drum heels should be done when drum is cool (preferably close to 60 degrees) with a minimum of open time to prevent blowing agent loss. The greater the loss of blowing agent, the higher the in-place density (and your cost).
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