

2.0 HFO CLOSED CELL FROTHING

In the past, we have received inquiries regarding the stability or boiling point of UPC's 2.0 HFO Closed Cell foam. These concerns have been raised after customers noticed that with elevated drum temperatures, UPC 2.0 HFO may "hiss" when the resin drum cap is removed. Some customers have experienced frothing from the drum while spraying. In that particular instance, customers placed a portable generator very close to the drum and the important exhaust heat boiled the chemical. In either case, it is to be noted that UPC 2.0 HFO is sensitive to excess blowing agent boiling off and potential frothing.

Like other closed cell foams, the UPC 2.0 resin utilizes a HFO blowing agent. Blowing agents are used to create cellular structure, small bubbles that create the stability and thermal resistance. HFO blowing agent is liquid that begins to boil above 60°F, at which point it slowly turns into gas, thereby forming pressure inside the headspace of the drum.



UPC 2.0 HFO has 3 iterations of the formulation: UPC 2.0 HFO, UPC 2.0 HFO MAX, and UPC 2.0 HFO High Lift. UPC 2.0 HFO is the standard 2.0 pcf (pound per cubic foot) formulation. UPC 2.0 HFO MAX utilizes a slight change to the formulation to decrease the density to 1.85 pcf, while UPC 2.0 HFO High Lift is the high lift version of the product with a pass thickness of up to 4 inches. UPC 2.0 HFO and UPC 2.0 HFO MAX can be sprayed with up to a 3 inch maximum pass thickness.

As a reminder, never recirculate closed cell foam. Always store in a tempered environment below 80° F. If it is summertime, store in an air-conditioned rig.

For any questions troubleshooting this issue, please contact us.