

Equipment-less Foam Sealant™

from Foam Concepts, LLC

Storage, Mixing and Installation Instructions

1. Store Equipment-less Foam Sealant™ (EFS) in a dry, temperate location out of the sun, preferably below 85 degrees F. Allow head space above boxes or drums to help moderate large changes in temperature over time.
2. Wear chemical eye protection and gloves (nitrile preferred) when handling. The dark brown A part does stain and can irritate your skin.
3. If a bag is leaking, you can recover much of the foam by mixing all the remaining liquids in a separate container such as a bucket or garbage bag.
4. Secure your work area and don any protective or fall arresting equipment as required.
5. Install your form work and any drain or vent pipes as required.
6. Use care when cutting open the boxes and the outer protective bag.
7. Remove the seal between the two chemicals in the bag by pulling out the rubber insert from the hard plastic channel. Pour one side into the other and repeat.
8. Hold two adjacent corners in each hand and knead the bag vigorously for about 30-45 seconds until there is a consistent, cream color throughout the bag. Mix time will vary with ambient and chemical temperature. Chemicals must be above freezing when mixed, above 40F preferred.
9. After mixing, make a 3” to 5” tear or cut in one corner. This is to prevent the bag from rupturing and to help accurately pour the foam in place. **The reaction is much faster in hot weather, be prepared to pour!**

THE BAG THAT HOLDS THE CHEMICALS IS NOT LARGE ENOUGH TO CONTAIN THE EXPANDING FOAM AND WILL RUPTURE IF NOT CUT OPEN

10. Let the foam stand in the bag until it achieves the desired thickness, then pour the foam onto your form work. If the ambient temperature is below 60F, allow the temperature of the rising foam to reach 80F before pouring, or let the foam rise out of the cut open bag by itself before pouring. This will improve the yield at lower temperatures. A larger opening in the bag will also help the yield.
11. Do not pour more than 18” of risen (expanded) foam per lift or layer.
12. Let each 18” layer of foam cool for twenty (20) minutes or more, depending on site conditions, and become “tack-free” before pouring the next layer. If possible shade the chemicals and the site itself in hot weather or under high angle sunlight.
13. For adits or horizontal entries, incline the front form towards the back form to facilitate placement of backfill or concrete veneer.
14. After mixing, cut the last bag of foam in an adit or portal completely across the long side and place the entire bag in the opening facing the back form. Hold the bag in place with cardboard or plastic to force the expanding foam back and up to fill the remaining space.
15. Cover all exposed foam with 2-3 feet of dirt or other fireproof material such as concrete or plaster. For shafts, allow at least one hour of curing before backfilling.

Equipment-less Foam Sealant™ is normally ready to support backfill after 60 minutes, depending on temperature. Consult your regulator or project inspector.

For visual instructions on using Equipment-less Foam Sealant™
visit www.foamconceptsllc.com