



TWO PART FOAM (Foam Expander Plug)

WHY USE PLUG-IT FOAM

Plug-it Foam is used to create a barrier between the emulsion and the stemming material.

Plug-it Foam will expand in drill hole to 20 plus times its size; it will adhere to the perimeters.

Plug-it Foam is package in different sizes for different diameter holes up to 250mm; bigger sizes are available to clients' specifications.

Plug-it Foam expands to a minimum of 300mm thickness in the hole.

It will take about 30 seconds to mix and less time to place it in the hole to the desired depth.

In about 15 minutes it will be able to support significant weight.

It can be placed on standing water and this will allow you to load dry product for stemming.

Plug-it Foam also has no influence on emulsion and will not react with emulsion.

USES:

- ✓ Stem blast holes
- ✓ Plug breakout holes
- ✓ Plug core holes
- ✓ Pack overhand holes
- ✓ Seal pre-drilled holes
- ✓ Prevent surface water infiltration
- ✓ Air ducting
- ✓ Vertical overhead horizontal stemming prevents debris infiltration.

One of the key design parameters for good blasting is stemming, which confines the energy.

Stemming with **Plug-it Foam** is cost effective and can help reduce:

- 1– Poor fragmentation
- 2– Air blast and fly rock issues
- 3– Increased down-stream processing bottlenecks and costs



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Always wear your PPE as required by employer

Recommended - Safety glasses, gloves and protective clothing

PREFERRED METHOD OF PLUGGING WITH FOAM EXPANDER PLUG BAGS

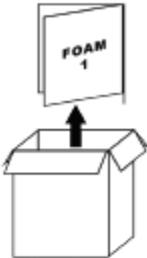
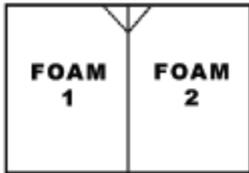
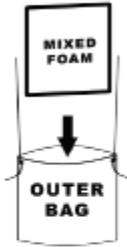
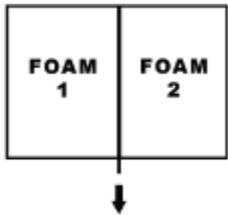
Determine the depth of hole and depth where FOAM EXPANDER PLUG needs to be placed.

1. Carefully remove the bag out of the box.
2. Attach a rope or cable to the supplied outer bag so that the bottom of the bag is at the required depth.
3. Remove the inner bag from the outer bag.
4. Remove the separator clip from the inner bag.
5. Start mixing the two ingredients of the inner bag in a rolling motion (like washing clothes with your hand)
Mix for minimum of 30 seconds till mixture becomes yellow.
6. After mixing, make a small incision at the middle top of the inner bag ($\pm 5\text{cm}$), so that the foam can expand.
7. Place the inner bag back into outer bag.
8. Lower the bag carefully into hole to desired depth.
9. Wait $\pm 30\text{min}$ for product to reach setting and full strength.

» **Should the temperature of the hole be more than 50°C , an additional fire protected foam bag should be used.**

Place the outer bag into the fire protection foam bag and repeat step 8-9

FOAM EXPANDER PLUG USAGE INSTRUCTIONS

<p>Step 1: Carefully remove the bag out of the box.</p> 	<p>Step 5: After mixing, make a small tear at the middle top of the bag (+/- 5cm), so that the foam can expand.</p> 
<p>Step 2: Attach rope or cable to the supplied outer bag so that the bottom of the bag is at the required depth.</p> 	<p>Step 6: Place the inner bag into the outer bag.</p> 
<p>Step 3: Remove the separation clip from the inner bag.</p> 	<p>Step 7: Lower the bag carefully into hole to desired depth.</p> 
<p>Step 4: Start mixing the two ingredients of the inner bag in a rolling motion (like washing clothes with your hands) Mix for minimum of 30 seconds till mixture becomes yellow.</p> 	<p>Step 8: Wait +/-30min for product to reach setting and full strength.</p> 