# RESCUE-PAK

**YOU CAN FIX THE MIX!**
CONCRETE ADMIXTURES
FOR EMERGENCY USE

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## TROUBLESHOOTING GUIDE FOR USING FRITZ-PAK ADMIXTURES IN READY-MIX OPERATIONS

## AT THE PLANT

| PROBLEM | PRODUCT | SOLUTION |
|---|---|---|
| Long Distance Haul | STANDARD DELAYED SET | 1. Determine quantity of cementitious material (cement & Class "C" fly-ash) in the load.<br>2. Check chart on back of bag for correct amount of Delayed Set needed for desired delay.<br>3. Remove outer bag. Add Delayed Set inner bag to the wet concrete and mix thoroughly for 5-7 minutes at high setting.<br>4. Proceed to jobsite. Check concrete every 30-45 minutes to confirm stabilization. |
| Hot day with possible delay at jobsite. | STANDARD DELAYED SET | Same as above. |
| Maximum temperature specification at the jobsite. | STANDARD DELAYED SET | Same as above with dosage adjusted for delay until truck arrives at the jobsite. |
| High early strength concrete needed on the jobsite. | SUPERCIZER 5 +40% EARLY STRENGTH | 1. Design mix to specifications with 15% to 25% reduction in total water.<br>2. Determine cementitious quantity in mix and determine amount of Supercizer 5 required (5 to 7 oz./cwt or 3.0 to 4.5 grams/kg).<br>3. Remove outer bag. Add Supercizer 5 inner bag to the wet concrete and mix thoroughly for 5-7 minutes.<br>4. Proceed to jobsite.<br>5. Add additional material if necessary to obtain desired workability. |

## ON THE ROAD

| PROBLEM | PRODUCT | SOLUTION |
|---|---|---|
| Truck breaks down and mixer drum can still turn. | STANDARD DELAYED SET | 1. Call dispatch to get help on the way, ASAP.<br>2. Determine quantity of cementitious material in the load.<br>3. Check chart for correct amount of Delayed Set needed for desired delay.<br>4. Remove outer bag. Add Delayed Set inner bag and mix thoroughly for 5-7 minutes or 70 revolutions of the drum.<br>5. Add and mix additional Delayed Set if mix begins to stiffen. |
| Truck is delayed in traffic. | STANDARD DELAYED SET | Same as above. |
| Concrete in trucks already on the job has low air content. | SUPER AIR PLUS | 1. Dispatcher calls driver on the way to the job.<br>2. Have driver pull over. Remove outer bag. Add inner bag of Super Air Plus to increase air content 0.75 to 2%.<br>3. Mix thoroughly for 5-7 minutes at high setting.<br>4. Proceed to job. |

# ON THE JOB

| PROBLEM | PRODUCT | SOLUTION |
|---|---|---|
| Slump is too low to be placed or pumped. | SUPERCIZER 5 | 1. Remove outer bag. Add one 1.75 pound inner bag of Supercizer 5 per cubic yard of 3000 psi concrete to double the slump. More may be required for richer mixes. For concrete batched in metric system, add one 1.1 kg inner bag per cubic meter.<br>2. Mix thoroughly for 5-7 minutes at high setting.<br>3. Place concrete. The slump gain should remain in effect for 30-45 minutes.<br>4. If additional workability or slump life is required, then additional product may be added. |
| Air content has dropped below specification level. | SUPER AIR PLUS | 1. Call dispatcher to report low air content and determine proper dosage.<br>2. Remove outer bag. Add Super Air Plus to the load, one inner bag per 6 to 10 cubic yards (4-7 cubic meters).<br>3. Mix thoroughly for 5-7 minutes at high setting.<br>4. Test for proper air content and add additional product if necessary. |
| Contractor's equipment or pump breaks down during the pour. | STANDARD DELAYED SET | 1. Notify dispatcher of delay and estimate of remaining concrete in truck.<br>2. Determine quantity of cementitious material in the load.<br>3. Check chart for correct amount of Delayed Set needed.<br>4. Remove outer bag. Add Delayed Set inner bag and mix thoroughly for 5 to 7 minutes at high setting.<br>5. Add and mix additional Delayed Set if mix begins to stiffen. |
| Concrete left in truck after job is complete. | STANDARD DELAYED SET | 1. Notify dispatcher with estimate of concrete remaining in truck.<br>2. Determine quantity of cementitious material in load.<br>3. Check chart for correct amount of Delayed Set needed for desired delay.<br>4. Wash down chute and rear fins, add inner bag of Delayed Set and mix thoroughly for 5 to 7 minutes at high setting.<br>5. Return to plant for another load; be sure plant is aware of remaining concrete. |
| No washout allowed on the job or truck needed back at the plant after unloading full load. | MINI DELAYED SET | 1. Wash down chute and rear or back fins of mixer.<br>2. Add 35 to 50 gallons (130-180 liters) of water. Remove outer bag and throw one 8oz. (227 grams) Mini Delayed Set inner bag into mixer.<br>3. Mix for two minutes. Reverse drum until water comes back over back fins. Mix for another two minutes at high setting.<br>4. Return to plant and park truck for over night stabilization.<br>5. The following morning remind batchman to allow for water in first load. |
| Slump of concrete is too high for proper placement. | SUPER SLUMP BUSTER | 1. Remove outer bag. Add one inner bag of Super Slump Buster for every 3-4 yards (2-3 meters) of concrete.<br>2. Mix at high speed for 5-7 minutes, then let concrete rest for another 5 minutes. Add up to 1 bag per yard if necessary. |
| Concrete is too difficult to pump. | SLICK-PAK II | 1. Remove outer bag. Add one inner bag of Slick-Pak II for every 3-4 yards (2-3 meters) of concrete.<br>2. Mix at high speed for 5-7 minutes. |

# BACK AT THE PLANT

| PROBLEM | PRODUCT | SOLUTION |
|---|---|---|
| End of the day—residual concrete wash water in truck. | MINI DELAYED SET | 1. Make sure that all plastic concrete is discharged from the truck.<br>2. Wash down chute and rear or back fins of mixer.<br>3. Add 35 to 50 gallons (130-180 liters) of water. Remove outer bag and throw one 8oz. (227 grams) Mini Delayed Set inner bag into mixer.<br>4. Mix for two minutes. Reverse drum until water comes back over back fins. Mix for another two minutes at high setting.<br>5. Return to plant and park truck for over night stabilization.<br>6. The following morning remind batchman to allow for water in first load. |