

### PRODUCT DATA

1. An extended set, gypsum based, spray applied fire resistive material (SFRM) designed for the fire protection of interior structural steel. Type 5AR can be left in the equipment and lines for up to 4 days without setting. It was developed to be used as a holding material to leave in the equipment and lines to reduce start up and clean up times when using the Southwest Type 5 materials.
2. This material requires injection with Accelerator A-20 to reach final set. It is intended for use with Southwest Type 5GP and Southwest Type 5MD for application to interior structural columns, beams, joists, decks, walls, roofs, girders, floors and pre-cast concrete units.
3. Material is green in color so that it can be readily distinguished from the Type 5GP and Type 5MD materials.

### MIXING PROCEDURES

1. Mix with clean potable water, using a mechanical plaster mixer, rotating at 35-45 RPM. Use about 11-13 gallons of water per bag (33-39 for a 3-bag mix). It is recommended that a 3-bag mix be used.
2. The amount of water necessary will depend on the amount of time the material will be left in the equipment and lines:

**Overnight: 11 gallons**

**2-3 days: 12 gallons**

**4 days: 13 gallons**

**Note:** The maximum time the material can be left in the equipment and lines is 4 days.

3. Mix product for about 1.5 - 2 minutes, until slurry is uniform. The mix will appear wet. Agitate occasionally, to prevent settling of ingredients.

### APPLICATION

1. Pump: Use same standard cementitious pumping equipment as used for Southwest Type 5GP and Type 5MD.
2. When the material hopper is empty after the last batch of Type 5GP or Type 5MD, turn off the Accelerator A-20 injection pump. Turn off the feed valve to the material nozzle.
3. Mix the Southwest Type 5AR material with 11-13 gallons of water (depending on the amount of time the material will be left in the equipment). Mix the material for 2 minutes.
4. Fill the hopper with the Type 5AR slurry. Pump the material until the green color is coming out at the spray nozzle. Continue pumping the material until the hopper is almost empty then cover with plastic to keep the material from drying out. Remove the orifice and place end of spray nozzle in container of water to prevent drying.
5. When spraying commences, mix solution of Accelerator A-20 following the product's mixing procedures. Remove the plastic from the hopper and replace the nozzle orifice.
6. Mix a batch of Southwest Type 5GP or Type 5MD following the product's mixing procedures. Pour material into hopper. Begin spraying the material with injection of the Accelerator A-20 solution following the Southwest Fireproofing Injection Procedures for High Production (this enables the material to set).
7. The material should be sprayed out in a thin coat (1/2"-5/8"). A color change back to tan indicates that all of the Southwest Type 5AR has been pumped out. A thin coat of Southwest Type 5GP or Southwest Type 5MD can then be applied over the Southwest Type 5AR for uniform color.

### CAUTIONS

1. After applying Type 5AR, the same equipment will be used to pump the Type 5GP or Type 5MD fireproofing mix. Type 5AR cannot be left in the pump and lines for greater than 4 days. If it is left in the equipment longer than this, it will begin to set in the equipment and lines.

# TYPE 5AR EXTENDED SET

## SUPPLEMENTARY TECHNICAL INFORMATION

---



2. If applying Type 5AR at the end of each working day or as a holding material over the weekend, it is not necessary to clean out the equipment when commencing with the fire protection application.
3. Be sure to either mask or clean immediately all surfaces that may be exposed after fire protection is complete. Staining may occur.
4. After completion of application of Type 5GP or Type 5MD, be sure to completely flush out and wash all equipment and hoses. All equipment, lines and nozzle must be thoroughly cleaned with soap and water after each use.