

*This is an abbreviated guide and is not intended as a substitute for the Long Form ISOLATEK<sup>®</sup> Type 400 AC & 400 ES Application & Installation Manual. Applicator shall completely and fully read and understand the Long Form Application & Installation Manual prior to applying this product.*

**ISOLATEK Type 400 ES Extended Set** is specifically designed for a delayed set time, allowing the slurry to remain in the hose for up to 72 hours. This provides the applicator the ability to reduce start-up and wash out times, saving time and money, as well as increasing productivity. **ISOLATEK Type 400 ES Extended Set** is easily identifiable by its red color.

**ISOLATEK Type 400 ES Extended Set** is mixed in a paddle or ribbon type mixer and spray applied with a mechanical piston, hydraulic piston or rotor stator pump. The use of **ISOLATEK QWIK-SET<sup>®</sup>** is required and must be introduced as per the instructions in the Application and Installation Manual. Material is pumped through a 25 to 77 mm (1 to 3 in.) ID high pressure plaster hose and applied with a standard plaster type spray nozzle with air atomization at the tip.

Other than the guidelines as listed below, **ISOLATEK Type 400 ES Extended Set** must be installed in accordance with the guidelines as noted within the ISOLATEK Type 400 AC and ISOLATEK Type 400 ES Application & Installation Manual.

#### **APPLICATION:**

1. At the end of the application day, begin mixing **ISOLATEK Type 400 ES Extended Set** in lieu of standard **ISOLATEK Type 400 AC**. At this point, the **ISOLATEK QWIK-SET** accelerator pump should remain on as required per the **ISOLATEK Type 400 AC** long form application manual.
2. Mix 36 litres (9.5 US Gallons) of water per bag of **ISOLATEK Type 400 ES Extended Set** and mix for two minutes for overnight use. Mix 40 litres (10.5 US Gallons) of water per bag of **ISOLATEK Type 400 ES Extended Set** and mix for two minutes for maximum 72 hour use.
3. Continue the spray application of standard **ISOLATEK Type 400 AC** in conjunction with the **ISOLATEK QWIK-SET** solution. This will clear the hoses of standard material and fill them with **ISOLATEK Type 400 ES Extended Set**.
4. Pump the **ISOLATEK Type 400 ES Extended Set** slurry until the red tinted color is seen at the spray nozzle. Continue to pump until the **ISOLATEK Type 400 ES Extended Set** level in the pump hopper is 1/4 full or less. Then turn off the accelerator pump and **ISOLATEK QWIK-SET** feed valve at the injection point.
5. Once the accelerator pump is off, continue to pump until the whip hose has been cleared of all accelerated **ISOLATEK Type 400 ES Extended Set**. Turn the pump off.
6. Once the pump is off, scrape down the sides of the material pump hopper.
7. Cover the surface of the remaining slurry in the hopper with plastic sheeting. This will prevent moisture evaporation.
8. Remove the nozzle orifice and **completely submerge** spray nozzle in a container of water.
9. Before restarting, remove the plastic sheeting on the pump hopper. Take the spray nozzle out of the water. Install nozzle orifice on the spray nozzle.
10. Prepare **ISOLATEK QWIK-SET** accelerator solution in accordance with standard application instructions.
11. Mix a batch of standard **ISOLATEK Type 400 AC** and place into the pump hopper.
12. Turn on the **ISOLATEK QWIK-SET** accelerator pump and begin pumping the **ISOLATEK Type 400 AC** slurry using **ISOLATEK QWIK-SET** accelerator solution in accordance with standard application instructions.

13. A thin coating of **ISOLATEK Type 400 AC** material can be applied over the **ISOLATEK Type 400 ES Extended Set** product which has been sprayed to cover the tinted material.

**For additional information, please contact the Technical Service Department.**

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Isolatek International provides passive fireproofing materials under the CAFCO®  
trademark throughout the Americas and other markets and under the  
ISOLATEK® trademark throughout the world.

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