

**THERMAFIBER, INC.**  
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## Technical Bulletin

### Pre-cast Fire Containment System

Thermafiber, Inc. has received a number of inquiries regarding fire containment at pre-cast spandrel panel conditions and outlines the following recommendations:

1. Install Thermafiber® FIRESpan® 90 Insulation (minimum 2" thick) over the total pre-cast area. The Thermafiber® Insulation must be mechanically attached using a minimum 12 gauge steel impaling pins mechanically fastened into the back of the pre-cast. Adhesive attachments are not acceptable. The impaling pins must be located 2" in on each corner and spaced a maximum of 24 inches around the perimeter of each Thermafiber® Insulation panel. Gemco clutch clips and self-locking washers, in conjunction with the impaling pins, are to be considered to properly position and hold the insulation in place as a method of moisture and condensation control.
2. Thermafiber® Safing Insulation must be compression fit per the UL® Design requirements into the safe-off area (2"-8").
3. When clutch clips are used to create an air space for moisture and condensation control, the safing line must be supported with a horizontal row of impaling pins with clutch clips spaced at 12" O.C. maximum. The horizontal row of pins prevents bowing of the FIRESpan® 90 Insulation due to the compression fit of the Safing™ Insulation.
4. Generally no vertical seams are allowed. If vertical seams are present, they must be protected with 6" (min.) wide strips of 1" thick Thermafiber® FIRESpan® 90 Insulation. Seam covers are to be centered over the vertical seams and impaled on the same pins spaced max. 12" O.C. used to secure the curtain wall insulation or attached with spiral anchors spaced a max. 12" O.C. and secured in position with steel clinch shields.
5. Horizontal seams between adjacent pieces of curtain wall insulation, if present, are to be spaced a minimum of 36" o.c. If a horizontal seam is to occur near the slab edge, it shall be located 3" below the top plane of the floor at each floor level.

For more information regarding Thermafiber® Insulation, please refer to Thermafiber® literature by visiting our website at [www.thermafiber.com](http://www.thermafiber.com) or Thermafiber, Inc. at 1-888-834-2371 or email us at [TechnicalService@owenscorning.com](mailto:TechnicalService@owenscorning.com)

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