



April 1, 2003

Mr John Basch
Tremco Inc.
2628 Pearl Rd.
Medina, OH 44256

Subject: Through-Penetration Firestop Systems installed in Hollow-Core Precast Concrete Units

Dear Mr. Basch:

This is in response to your request of April 1, 2003 concerning the requirements of Underwriters' Laboratories of Canada when making judgements on through-penetration firestop systems installed in hollow-core precast concrete units.

There are two criteria which are looked at when judging the acceptability of firestop systems in hollow-core floors. First, the system must be able to prevent the unchecked flow of hot gases into the cores. This can be accomplished through the use of firestopping products at the lower face shell of the hollow-core units or through plugging the cores for a minimum depth of 100 mm. In either case, we would require that data be available to prove the material(s) utilized would stay in place for the entire F or FH Rating period of the system. Secondly, we normally limit the size of opening to 178 mm diameter or 178 mm by 178 mm. However, in all cases where openings are created in floor or wall assemblies, the integrity of the assembly is to be evaluated by the design professional.

Please don't hesitate to contact us if you require additional information.

Yours truly,

Claude Travers, P.Eng.
Project Engineer
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Reviewed by:

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