



NYC Department of Buildings
 280 Broadway, New York, NY 10007
 Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 436-06-M

Manufacturer: Hilti, Inc., 5400 S. 122nd E. Avenue, Tulsa, OK 74146

Trade Name(s): Hilti Firestop Box Insert

Product: Fill, void or cavity material for fire protection

Pertinent Code Section(s): 27-345

Prescribed Test(s): RS 5-2 (ASTM E119), ANSI/UL 263

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): File R14546, dated May 31, 2006

Description: Fill, void or cavity material for through-penetrations in fire-rated walls and floors construction. Hilti Firestop Box Insert is an intumescent insert designed for easy installation inside of outlet and switch boxes to provide protection to fire-rated assemblies.

Box Size	Type of Box and Cover Plate	Hourly Rating	Wall Type
4 x 4 x 2-1/8 in. deep	Metallic w/ steel cover plates	2-hour	U400 or V400 – steel studs
4 x 4 x 2-1/8 in. deep	Metallic w/ plastic cover plates	1-hour	U400 or V400 – steel studs
4 x 4 x 1-1/2 in. deep	Metallic w/ plastic cover plates	1-hour	U300 – wood studs

Box Size	Inserts Used	Fire-Rating	Wall Type
4-1/2 x 8-1/2 x 1-5/8 in. deep	Two 3-11/16 x 3-3/4 in. insert**	2-hour	U400 or V400 – steel studs
3-3/4 x 5-12 x 2-1/2 in. deep	One 3-11/16 x 3-3/4 in. insert and One 1-7/8 x 2-13/16 in. insert	1-hour	U400, U400 or V400 – wood or steel studs

**Minimum 3/4 inch deep plaster rings installed over outlet box. After installation of gypsum board, nominal 1/4 inch thickness of Hilti FS-ONE Sealant, bearing the UL Classification Marking for Fill, Void or Cavity materials, applied between the base layer of wallboard and the plaster ring.

Terms and Conditions: The above-described fill, void or cavity material used to fill the remaining voids in wall assemblies with the above-described fire protection rating is accepted with the following conditions:

1. Electrical trays, cables, mechanical piping or ductwork passing through the assembly shall be installed in accordance with the manufacturer's application instruction.
2. Suitable support angles and fasteners as required for respective assemblies shall be provided in accordance with manufacturer's recommendations.
3. All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance September 27, 2008

Examined By Simo Derfhalan