



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
 280 Broadway, New York, NY 10007  
 Patricia Lancaster, FAIA, Commissioner  
 (212) 566-5000, TTY: (212) 566-4769

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 1-07-M

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

**Trade Name(s):** Hilti

**Product:** Fill, void or cavity material for fire protection

**Pertinent Code Section(s):** 27-345

**Prescribed Test(s):** RS 5-19 (ASTM E814)

**Laboratory:** Underwriters Laboratories, Inc

**Test Report(s):** UL File R15431 and letter dated May 1, 2000.

**Description:** Fill, void or cavity material for through-penetrations in fire-rated concrete floors. The Hilti CP680-P Cast-in Device shall be applied in accordance with Underwriters Laboratories, Inc. system number listed below in achieving the required fire resistance ratings.

System No.	Fire Protection Ratings (Hours)	
	F	T
FA0005	2	1
FA0006	3	2-1/2, 3
FA0014	3	3
FA0016	2	0
FA0017	3	0
FA1022	3	2
FA1023	3	1/2
FA1066	3	1
FA1091	4	1/2
FA2013	2	2
FA2053	2	0

System No.	Fire Protection Ratings (Hours)	
	F	T
FA2054	3	0,3
FA2065	2	0
FA2066	3	0
FA2071	3	3
FA2072	3	0
FA2092	2	0, 2
FA2093	2	0
FA2103	2	0
FA2141	2	0, 2
FA2142	2	0, 2
FA2145	2, 3	0
FA2166	4	1/4
FA3007	3	0, 1/4, 1/2
FA3033	3	1/4
FA3034	3	1/2
FA5015	2	1/2, 3/4
FA5016	3	3/4, 1, 3
FA5017	2	3/4, 1
FA5018	3	1-3/4, 2, 2-1/2, 2-3/4, 3
FA7018	3	1/4
FA8016	3	1/2
FA8023	3	0
FB1009	3	1/2
FB1010	2	2
FB2007	3	3
FB2013	3	0

**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 ratings, is accepted with the following conditions:

1. Electrical trays, cables, mechanical piping or ductwork passing through the assembly shall be installed in accordance with UL system numbers and the manufacturer's application instructions.
2. Suitable support angles and fasteners are required for respective assemblies and shall be provided in accordance with manufacturer's recommendations.
3. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance February 9, 2007

Examined By Simon Derksham