



Fire Protection Products





ENGINEERING JUDGMENT FOR:
02/17/15
Michael Palmacci
General Insulation
378 Commercial Street
Malden, MA 02148
Fax: (781) 321-5350

Project: Bean 2 Maine Med	Contractor: Northeast Firestop Solutions
Fire Stopping Category: Joints / Floor Wall	Hourly Rating Requested / Type: 1 and 2 Hour
Joint Type: Construction	Maximum Joint Width: Minimum ¼ in. to max ½ in.
Floor Assembly: Structural Concrete	Wall Assembly: Gypsum Shaft Wall
Type of Movement: Static	

Special Conditions: Field conditions per BW-S-0007 and BW-S-0008 with the inclusion of a gypsum shaft wall assembly
Application Details: To firestop this application, install in accordance with UL System BW-S-0007 or BW-S-0008 with the following modifications/clarifications: FireDam 150+ Sealant To firestop this application, install in accordance with UL System BW-S-0007 with the following modifications/clarifications: <ol style="list-style-type: none"> 1. FireDam 150+ Sealant is to be installed full depth of the 1 in. coreboard. 2. Install a minimum 5/8 in. depth of FireDam 150+ Sealant within the 5/8 in. gypsum wallboard. FireDam Spray 200: <ol style="list-style-type: none"> 1. Install minimum 4 pcf mineral wool full depth of the coreboard. Mineral wool is to be tightly packed. 2. Install a minimum 1/8 in. wet thickness of FireDam Spray 200 over the previously installed mineral wool. FireDam Spray 200 is to overlap all substrates a minimum 1 in. 3. Install minimum 4 pcf mineral wool full depth of the 5/8 in. gypsum wallboard. Mineral wool is to be tightly packed and installed flush with the outside face of the gypsum wallboard. 4. Install a minimum 1/8 in. wet thickness of FireDam Spray 200 over the previously installed mineral wool. FireDam Spray 200 is to overlap all substrates a minimum 1 in.

3M Fire Barrier Material: FireDam 150+ Sealant, FireDam Spray 200
Based On: BW-S-0007, BW-S-0008

This Engineering Judgment (EJ) is based upon the sole and exclusive use of 3M brand Fire Protection Products as described within. Modification of any of the parameters of this EJ, including, without limitation, the use of non-3M brand Fire Protection Products, shall render this EJ null and void. This fire-resistive joint design is expected to achieve the hourly rating indicated above. This engineering judgment is based on performance results obtained in testing with independent laboratories and / or internal 3M fire tests, which have been tested in accordance to ASTM E 1966 (UL 2079).

Engineering Judgment Prepared By:  Carrie Meis Technical Service Technician	Reviewed By:  564972 cc: Ryan Fenstermaker
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3M Building and Commercial Services Division

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