



# Fire Protection Products



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



<b>Project:</b> Bean 2 Maine Med	<b>Contractor:</b> Northeast Firestop Solutions
<b>Fire Stopping Category:</b> Joints / Head of Wall	<b>Hourly Rating Requested/ Type:</b> 2 Hour / F
<b>Joint Type:</b> Construction	<b>Maximum Joint Width:</b> Max. 3/4 in.
<b>Floor Assembly:</b> Concrete Floor	<b>Wall Assembly:</b> Gypsum Shaft Wall
<b>Type of Movement:</b> Dynamic	

<b>Special Conditions:</b> Field condition like HW-D-0552 configuration C with the inclusion of single side access
<b>Application Details:</b> To firestop this application, install in accordance with UL System HW-D-0552 with the following modifications/clarifications: <ul style="list-style-type: none"> <li>1. Within the steel flutes, from the accessible side of the joint assembly, install a minimum 1 in. depth of minimum 4 pcf mineral wool. Mineral wool is to be installed flush with the in accessible surface of the joint.</li> <li>2. From the accessible side of the joint assembly, 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.</li> <li>3. From the accessible side of the joint assembly, install minimum 4 pcf mineral wool within the remainder of the joint. Mineral wool is to be compressed 50% and installed flush with the accessible surface of the joint assembly.</li> <li>4. From the accessible side of the joint assembly, 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.</li> </ul>

**3M Fire Barrier Material:** FireDam Spray 200

**Based On:** HW-D-0052

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:  Alan Wiater Technical Representative	Reviewed By:  564918 cc: Ryan Fenstermaker
---	--

### 3M Building and Commercial Services Division

3M Center, Building 223-2N-20  
 St. Paul, MN 55144-1000