
Design Number 3MU/AF 180-03

APPLIED FIREPROOFING

3M Company

3M™ Interam™ E-5, E-54-A and E-5A-4 Series Endothermic Mat

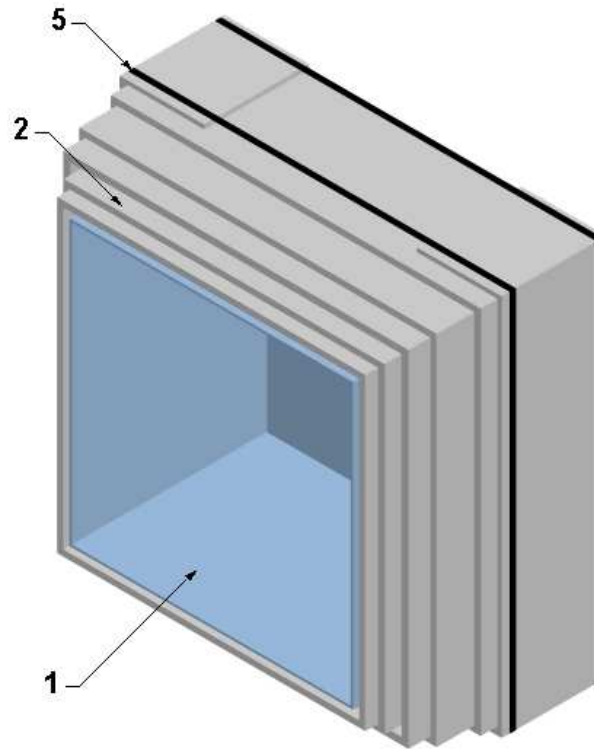
3M™ Fire Barrier CP 25WB+ Caulk

ASTM E 1725 (2008)

ASTM E 119 (2012)

Rating: 3 Hour

Approved for any cable fill



1. JUNCTION BOX: Use nominal 12 in. wide x 12 in. high x min. 8 in. deep, 16 GA galvanized steel junction box.

2. CERTIFIED MANUFACTURER: 3M Company

CERTIFIED PRODUCT: Applied Fireproofing

MODEL: 3M™ Interam™ E-5, E-54-A and E-5A-4 Series Endothermic Mat

ENDOTHERMIC MAT: Install 6 layers of foil faced flexible mat tightly around the junction box (Item 1). Prior to installing innermost layer, cut 1-1/2 in. wide strips

of endothermic mat and wrap around conduit (Item1) spaced 15 in. on center (oc) and hold in place with filament tape. This is done in order to create an air gap between the junction box (Item 1) and the first (innermost) layer of the endothermic mat. After this is done, install the first two innermost layers to form an overlapped, square edge joint. After this is done, install a second set of 1-1/2 in. wide strips of endothermic mat in the same manner as previously done. Install the following three layers in the same manner as the first two. Install the outermost layer creating a 4 in. min. overlap is created on the resulting seam and a 4 in. overlap is created on all four

adjacent junction box faces.
Temporarily hold in place using filament
tape if needed.

3. CERTIFIED MANUFACTURER: 3M
Company

CERTIFIED PRODUCT: Caulk or
Sealant

MODEL: 3M™ Fire Barrier CP 25WB+
Caulk

CAULK (Not Shown): Install caulk
between butt joints of endothermic mat
(Item 2) on all layers. Alternative use is
to fill gaps and voids along seams
greater than 1/8 in. wide.

4. TAPE: (Not Shown) Apply 4 in. wide
pressure sensitive tape with aluminum
foil facing to all exposed edges of the
collar (Item 2A) as well as the
longitudinal (overlap) joints of the
endothermic mat (Item 2) on the outer
layer.
5. STEEL BANDING: Install 1/2 in. wide x
0.020 in. thick stainless steel banding on
the outer layer of the endothermic mat
(Item 2). Install banding within 1 in. of
the edge of the 3 in. overlap edges of
the endothermic mat (Item 2) and butt
joints and maximum 4 in. oc at all other
locations.