

THIS METHOD STATEMENT COVERS THE INSTALLATION OF MasterFlame JS 225 HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.

Note: This sealant is intended to be used where the resistant to the passage of smoke and fire is required at pipe (Steel and PVC) and cable tray penetrations etc. through walls.

1. DIMENSIONAL REQUIREMENTS:

- 1.1. The MINIMUM sealant depth for **MasterFlame JS 225** is 25mm (2 hour fire rating) irrespective of the joint width.
- 1.2. Penetration hole diameter in relation to pipe / cable diameter is critical and should NOT exceed 125% of the pipe / cable diameter.
- 1.3.

Pipe / Cable Ø (mm)	Required Annular Gap (mm)	1 Hour Fire Rating Depth	2 Hour Fire Rating Depth
20	6	25	25
40	10	25	25
55	10	25	25
63	10	25	25
75	10	25	25
82	11	25	25
90	12	25	25
110	14	25	25
125	16	25	25
300 x 100mm Void	Fill Exposed Face	25	25

2. OPENING PREPARATION:

- 2.1. Clean the sides of the “opening” using a wire brush to remove all loose debris etc.
- 2.2. Install the pipe or cables through the opening / hole (if not already installed) and centralize within the hole as accurately as possible.
- 2.3. If the wall thickness is excessive it will require the installation of a suitable fire-proof backing material to be installed (mineral wool or similar) to control the sealant depth when being installed. Pack the mineral wool or polyethylene backing material tightly around the pipe / cables leaving a surface recess on both sides of the wall of 25mm (minimum) to provide a 2 hour fire rating.

3. SEALANT INSTALLATION:

- 3.1. Ensure the “annulus gap” dimensions are acceptable before commencing application and that the mineral wool fireproof backing material or polyethylene back rod is installed correctly.
- 3.2. Annulus gap should be 0.125 x pipe / cable diameter (**up to a MAX diameter of 125mm**)
- 3.3. Do **NOT** apply **MasterFlame JS 225** when the ambient temperatures are below 5°C and above 45°C.
- 3.4. Mask the perimeter of the penetration hole with tape.
- 3.5. No primer is required.
- 3.6. The **MasterFlame JS 225** sealant should then be gunned firmly into the prepared gap ensuring the nozzle outlet size is of a suitable diameter to enable the material to fill the gap easily.
- 3.7. Once “filled” the surface of the sealant should be wet-tooled “flat” with the surface of the wall / floor using a flexible scrapper.
- 3.8. Remove the masking tape from the wall / floor surface by carefully pulling it across the seal immediately after completion of tooling.
- 3.9. Allow the installed sealant to cure naturally for at least 48 hours.

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