

THIS METHOD STATEMENT COVERS THE INSTALLATION OF **MasterFlame B 302**
FIRE RESISTANT BOARDS

Note: The suitability of MasterFlame B 302 has been determined by independent testing and the following are the recommended maximum sizes of openings that the MasterFlame B 302 system should be considered for:

- Wall - Length no limit**
- Height - 2400mm**
- Floor - Length 2400mm**
- Width - 1200mm**

MasterFlame B 302 is supplied in pre-formed boards of 1200 x 600 x 50mm thickness

1. DIMENSIONAL REQUIREMENTS:

- 1.1. **MasterFlame B 302** is recommended to be installed into “regular” shaped holes through walls and floors (square / rectangular) and is not ideally suited to fitting to “holes” roughly broken thru blockwork or concrete etc.
- 1.2. Walls and floors must be a minimum thickness of 100mm to accommodate the installation of the **MasterFlame B 302** boards.
- 1.3. Where it will be required to use multiple boards to close the “opening” it will be necessary to install a supporting steel framework using 30 x 30 x 1.6mm steel angle (or similar) to provide the necessary support to the boards. These angles should be mechanically fixed to the sides of the openings to create the horizontal / vertical supports for the boards and set back the correct distance into the opening.

2. INSTALLATION PROCEDURES:

- 2.1. Ensure ALL service penetrations (pipes / cables) have been installed and approved to the satisfaction of the main contractor / client.
- 2.2. Any loose cables should be bundled together after a liberal application of **MasterSeal JS 110** to seal any voids within the bundled cables.
- 2.3. Cable trunking etc. MUST be filled as required to ensure there is no passage for fire or smoke via these ducts. If necessary, fill with cut sections of **MasterFlame B 302** and seal with **MasterSeal JS 110**.
- 2.4. Remove ALL / any combustible materials from within the opening to be sealed and thoroughly clean the faces of the blockwork / concrete against which the **MasterFlame B 302** will be placed.
- 2.5. Mask around the periphery of the opening using masking tape or similar.
- 2.6. Measure the relevant positions of all cables, pipes and tray etc. and transfer / draw these dimensions onto the surface of the **MasterFlame B 302** board(s).
- 2.7. Carefully cut out all details using a suitable saw or serrated “bread” knife and double check all dimensions before cutting (measure twice, cut once).

- 2.8. Using a flexible palette knife / scraper apply a thick layer of **MasterFlame JS 110** or **MasterFlame C 3000** to all areas of contact around the perimeter of the opening and ALL pipe / cables.
- 2.9. Apply a similar thickness of **MasterFlame JS 110** or **MasterFlame C 3000** to the edges (both cut and formed) of the **MasterFlame B 302** boards.
- 2.10. IF a steel support framework has been installed coat the surfaces of the angles with **MasterFlame JS 110** to act as an adhesive for the boards.
- 2.11. Fit the sections of **MasterFlame B 302** boards ensuring they are a “friction / tight” fit against the edges of the opening and or the steel support framework. Push firmly into place using the palm of the hand.
- 2.12. Repeat the process until all sections of **MasterFlame B 302** board have been installed.
- 2.13. The installation process SHOULD use as few pieces of **MasterFlame B 302** as practically possible to avoid the use of small pieces etc. that may not be fully supported.
- 2.14. Any gaps around pipes / cable trays etc. should be packed with small off-cuts of the board and then sealed using **MasterFlame JS 125** sealant as a final measure.
- 2.15. ALL boundary / board joints should be carefully masked off and a band of **MasterFlame JS 110** applied to complete the work.
- 2.16. Remove all masking tape immediately after sealing whilst the material is still “wet”.
- 2.17. Where multiple boards have been used, stagger the vertical joints where possible (as per blockwork) to improve the rigidity of the installation.

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