

FIREPRO

FIRE PROTECTIVE BUILDING PRODUCTS

HEAD OFFICE: AUCKLAND (09) 579 0367
CHRISTCHURCH (03) 379 9364

www.firepro.co.nz sales@firepro.co.nz

Product specifications can change. Contact us to ensure you have our latest datasheet

FIREPRO B220 BARRIER SYSTEM

- Up to 2 hours fire protection.
- High standard of finish.
- Easy and economical to install.

Firepro's B220 Barrier System allows the reinstatement of fire ratings where holes have been made in fire walls and floors. The system consists of high density mineral fibre barrier panels protected by a fire resistant coating and a fire resistant sealant used for sealing small gaps and edges.

The coated boards are durable, lightweight, flexible and easy to cut and handle.

Where services such as cable trays run through the hole to be reinstated, they must be rigidly attached to the floor/wall to prevent movement, and fire stopped with appropriate materials, see Firepro M706, M707, M799, and B212 datasheets. The remainder of the hole is then reinstated with B220 Barrier Panel.

FIRE TESTING

The B220 Barrier System is fire tested to AS1530:4 and BS476:22, test results are as follows:

B220-30S in plasterboard walls with one sheet either side for gaps up to 750mm x 650mm -/120/120.

B220-60D in concrete floors for gaps up to 650mm x 650mm -/120/60.

B220-60D in concrete walls for gaps up to 750mm x 650mm -/120/120.

B220-60D in plasterboard walls, and concrete walls & floors:

(a) penetrated by steel pipe ¹ for gaps up to 300mm x 300mm -/120/-.

(b) penetrated by cable tray and cables ² for gaps up to 300mm x 300mm -/120/-.

B220-90D in concrete floors for gaps up to 650mm x 650mm -/120/120.

¹ Steel pipe maximum external diameter 113mm. The pipe must be rigidly held in place so that it cannot damage the B220 Barrier Panel. Maximum gap between pipe and B220 10mm filled with M707 to full thickness of B220 panel.

² Steel cable tray fire tested was 100mm wide with 3x PVC and 2x silicone covered cables, wire tied to the tray at 120mm intervals.

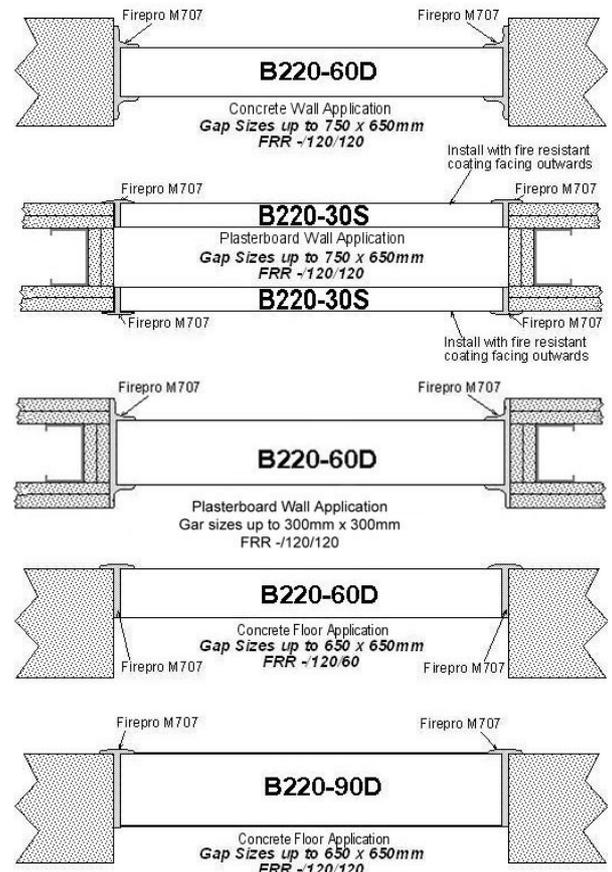
The tray supported on both sides of the wall with 50mm right-angle brackets which are attached to the wall studs with 4 x 60mm screws. The cable tray was bolted to each angle with 4 bolts and nuts. The cable tray was also bolted to a supporting channel 340mm from the wall. Maximum gap between B220 and cables/cable tray 10mm filled with M707 to full thickness of B220 panel.

LOAD BEARING FLOOR

Where load bearing floors are required bridge the B220 fire stopping systems.

NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. If used beyond the situations detailed on this datasheet we advise confirming their suitability before installation. All dimensions are nominal.

We reserve the right to make changes or to withdraw designs and products without notice.



FIREPRO B220 BARRIER SYSTEM

APPLICATION

The Firepro B220 System consists of M707 fire resistant and acoustic sealant and a choice of three boards:

- B220-30S - Barrier Panel 30mm thick coated on one side with intumescent compound
- B220-60D - Barrier Panel 60mm thick coated on two sides with intumescent compound
- B220-90D - Barrier Panel 90mm thick coated on two sides with intumescent compound]

INSTRUCTIONS

1. Select correct board for fire rating requirement - *see diagram and details overleaf.*
2. For plasterboard walls the hole to be framed as shown in B220-30S diagram, with vertical channels attached in standard method, and horizontal channels loosely bolted to allow for expansion.
3. Coat the edges of the hole in the floor or wall into which the barrier panel will come into contact, with M707 Mastic 2-3mm thick.
4. Cut the barrier panel to obtain a firm fit, allowing for M707 sealant around all edges.
5. Insert the barrier panel.
6. Coat around joint of panel and the wall or top of the floor with 2mm thick M707 extending to 20mm either side of the joint.
7. Protect floor barriers from foot traffic or other mechanical damage with a steel or timber bridging where applicable.