FAR 4812-TO [2018]
Technical Opinion Summary

This is to certify that the specimen described below has been examined by BRANZ on behalf of the sponsor in accordance with AS 1530.4:2005

Sponsor

3M Australia Pty Ltd
Building A, 1 Rivett Road
North Ryde
NSW 2113
Australia

Reference BRANZ Reports

FAR 4812-TO [2018]

Specimen Name: 3M Fire Barrier Duct Wrap 615+, nominally 38 mm thick, applied to horizontal and vertical steel ducts, including an access hatch.

Specimen Description:

Steel ducts with one layer of nominal 38 mm thick 3M Fire Barrier Duct Wrap 615+, constructed similarly to those refernced in FAR 4812-TO [2018], or in accordance with AS 4254.2 2012, subject to a minimum steel thickness of 0.8 mm and a minimum joint rating of J3.

Horizontal ducts may be up to 1,250 mm wide x 1,000 mm high, passing through steel framed, plasterboard lined or concrete or masonry walls, as described in FAR 4812-TO [2018], having at least -/180/180 FRL.

Vertical ducts may be up to 1,250 mm x 1,000 mm, passing through concrete floors, as described in FAR 4812-TO [2018], having at least 240/240/240 FRL.

The ducts may include an access hatch, as shown in Figure 3 and Figure 4 of FAR 4812-TO [2018], with maximum aperture dimensions 510 mm x 510 mm.

Where the FRL of the wall or floor through which the duct passes is less than the nominal FRL of the duct, the FRL of the duct is limited as described in Section 3.9 of FAR 4812-TO [2018].

Regulatory authorities are advised to examine the full technical opinion before approving any product.

Orientation: Exposed to fire from outside the duct (external exposure).

The assessed results were as follows

System	FRR
Horizontal Duct with 38 mm thick 3M Fire Barrier Duct Wrap 615+	**180/180/180**
Vertical Duct with 38 mm thick 3M Fire Barrier Duct Wrap 615+	**240/240/240**

Issued by

E. Soja
Senior Fire Safety Engineer

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27 March 2018

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27 March 2023

Reviewed by

P. Chapman
Senior Fire Testing Engineer