

FAR 4875-TO [2018]

Technical Opinion Summary



This is to certify that the specimen described below has been examined by BRANZ on behalf of the sponsor.

Sponsor

Tenmat Ltd
Ashburton Road West
Trafford Park
Manchester M17 1TD
United Kingdom

Reference BRANZ Reports FAR 4875-001 TO [2018], 5 July 2018

Referenced Standard AS1530.4:2014 and AS 4072.1-2005

Specimen Name: Tenmat linear gap seals

Specimen Description: Tenmat linear gap seals consisting of polythene shrink wrapped Firefly 108 intumescent installed as single or double seals centrally in concrete or masonry walls 250 mm thick or as stated in the following Table 1 and Table 2 in concrete floors 250 mm thick.

Orientation: Exposure from either side of walls or from the underside of floors.

The assessed results were as follows

Table 1: Single seal in concrete or masonry walls and concrete floors

Gap width (mm)	Seal width/depth (mm)	FRL (minutes)
Linear joint seal installed centrally in the depth of the concrete or masonry walls		
100	120/60	-/240/30
70	85/45	-/240/30
35	40/20	-/240/60
13	15/15	-/240/240
Linear joint seal installed 25 mm below the unexposed face of the concrete floors		
100	120/60	-/240/30
70	85/45	-/240/30
35	40/20	-/240/30
13	15/15	-/240/240

Issued by

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Reviewed by

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Regulatory authorities are advised to examine test reports before approving any product.

Issue Date

5 July 2018

Expiry Date

5 July 2023

Table 2: Double seal in concrete or masonry walls and concrete floors

Gap width (mm)	Seal width/depth (mm)	FRL (minutes)
Double linear joint seal installed 50 mm apart in the concrete floors with the upper surface 100 mm below the unexposed surface of the floor		
100	Two x 120/50	-/180/180
70	Two x 85/40	-/180/180
35	Two x 40/20	-/180/180
25	Two x 30/15	-/240/180
Double linear joint seals installed 50 mm apart centrally in the depth of the concrete or masonry walls		
100	Two x 120/50	-/240/180
70	Two x 85/40	-/240/120
35	Two x 40/20	-/240/120
25	Two x 30/15	-/240/180