



Australia
K8 SUPAPANEL®

ISSUED BY BRANZ

**FIRE
CERTIFICATE**

**BOSS FIRE TRANSIT BOX
TESTED BY BRANZ**



Fire Test Certificate

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

BOSS Products (Australia) Pty Ltd
Unit 1, 16 Atkinson Road
Taren Point
NSW 2229
Australia

- Test standard:** AS 1530.4:2014 and AS 4072.1-2005
- Specimen name:** BOSS Fire Transit Box
- Specimen description:** BOSS Fire Transit Box and range of service penetrations, with or without wrap, installed in the following elements with established FRL/FRR:
- Steel or timber framed plasterboard lined walls, or
 - Blank infill panel of BOSS Batts, or
 - other walls such as AFS, Barrierline, Dincel, Hebel, Korok, Pronto Panel, Shaftliner/Shaftwall, Speedpanel, Supapanel, Partiwall, or
 - Concrete floors at least 70 mm thick, or
 - Fire rated ceiling and ceiling/floors.

Orientation: Fire exposure from either side of walls or underside of floors or ceiling/floors

A full description of the test specimen and the test results are given in BRANZ Test Reports and Assessments:

FC12925-001

Conditions of laboratory registration by IANZ do not allow assessments by the Registered Laboratory to be covered by IANZ.

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

The assessed results were as follows:

See page 2 for the assessed fire resistance level (FRL) for the Fire Transit Box and penetration services.

Certificate issued: 29 June 2020

Certificate Number: 843

Page 1 of 2

M E Godkin
Senior Fire Testing Engineer
For BRANZ Limited



This Laboratory is accredited by International Accreditation New Zealand (IANZ). The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

The National Association of Testing Authorities (NATA) and International Accreditation New Zealand (IANZ) are both signatories of the ILAC Mutual Recognition Agreement.



The following statement is required by the test standard "This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance."



Fire Test Certificate

Penetration	FRL With P40 MAK-Wrap	FRL Without wrap
Blank seal (i.e. a BOSS Fire Transit Box without penetrations) with Transit Box mounted flush with the wall both sides (i.e. with 270 mm thick wall)	-/120/120	-/120/120
Blank seal (i.e. a BOSS Fire Transit Box without penetrations) with Transit Box mounted within a wall or floor at least 75 mm thick.	-/120/120	-/120/30
Blank seal (i.e. a BOSS Fire Transit Box without penetrations) with Transit Box mounted within a wall or floor at least 110 mm thick.	-/120/120	-/120/90
Pair-coil up to 13/19 mm insulated copper pipes	-/120/120	-/120/90
DN50 Type B copper pipe up to 50.8 mm diameter with minimum 25 mm thick FR lagging	-/120/120	-/120/60
DN50 Type B copper pipe up to 50.8 mm diameter uninsulated	-/120/120	-/120/-
Appendix D1 cables except 630 mm ² cable	-/120/120	-/120/60
Power cables up to 16 mm ² 2C & E	-/120/120	-/120/90
Appendix D2 bundles of data and coms. cable and CAT5, CAT5E, CAT6, Coax, MATV, fire alarm, EWIS, and NBN/fibre optic cables.	-/120/120	-/120/90
Cables with aluminium core 185 mm ² or less	-/120/120	-/120/30
50NB medium galvanised pipe (60.3 mm OD)	-/120/120	-/120/120
DN32 Type B copper pipe up to 32 mm OD with minimum 19 mm thick continuous Armaflex FRV or K-Flex lagging	-/120/120	-/120/120
DN32 Type B copper pipe up to 32 mm uninsulated	-/120/120	-/120/-
DN25 Type B copper pipe up to 25 mm with minimum 13 mm thick non-combustible insulation in accordance with AS 1530.3	-/120/120	-/120/60
PEX & PEX/AL/PEX pipe up to 32 mm diameter	-/120/120	-/120/60
PEX & PEX/AL/PEX pipe up to 32 mm diameter with lagging	-/120/120	-/120/90
PEX pipe 16 mm with 12.5 mm FRV lagging	-/120/120	-/120/90
uPVC pipe and conduit up to 55.8 mm OD	-/120/120	-/120/120
cPVC pipe up to 60.3 mm OD	-/120/120	-/120/120
Up to 32 mm dia. PE-RT pipe or PE-RT Kelox pipe with 13 mm thick lagging	-/120/120	-/120/-
Up to 25 mm dia. PE-RT or PE-RT Kelox pipe	-/120/120	-/120/-
PP and PP-R pipes up to 32 mm OD	-/120/120	-/120/60
PB pipes up to 32 mm OD	-/120/120	-/120/60
HDPE pipes up to 32 mm OD	-/120/120	-/120/60

- The Fire Transit Box may be reduced in height and/or increased in width up to a maximum of 600 mm provided that the box includes a dual or single BOSS Intumescent Sash Inlay around the full internal perimeter together with two pairs of 9 mm deep BOSS FR BRUSH SEAL nylon brush smoke barrier at the top and bottom of the box for the full height and full width and for widths greater than 450 mm additional fixings at 100 mm centres and a 20 mm x 20 mm flanged bracket is used around the perimeter to hold the Fire Transit Box in place.
- The Fire Transit Box depth through the wall may be reduced to 130 mm but the wrap over the penetrations must be retained at 270 mm.
- The Fire Transit Box can be installed into a fire rated element of a single 50 mm BOSS Batt for 60 minutes or a double layer of 50 mm BOSS Batts for 90 minutes or 120 minutes.
- On steel or timber framed plasterboard lined walls, the fire resistance of the Fire Transit Box and penetrations is conditional on provision of full length stud and/or vertical trimmer stud being installed within 20 mm of any side of the Fire Transit Box and the plasterboard lining is supported by a noggin within 20 mm of the underside of the Fire Transit Box.

Certificate Number: 843

Page 2 of 2