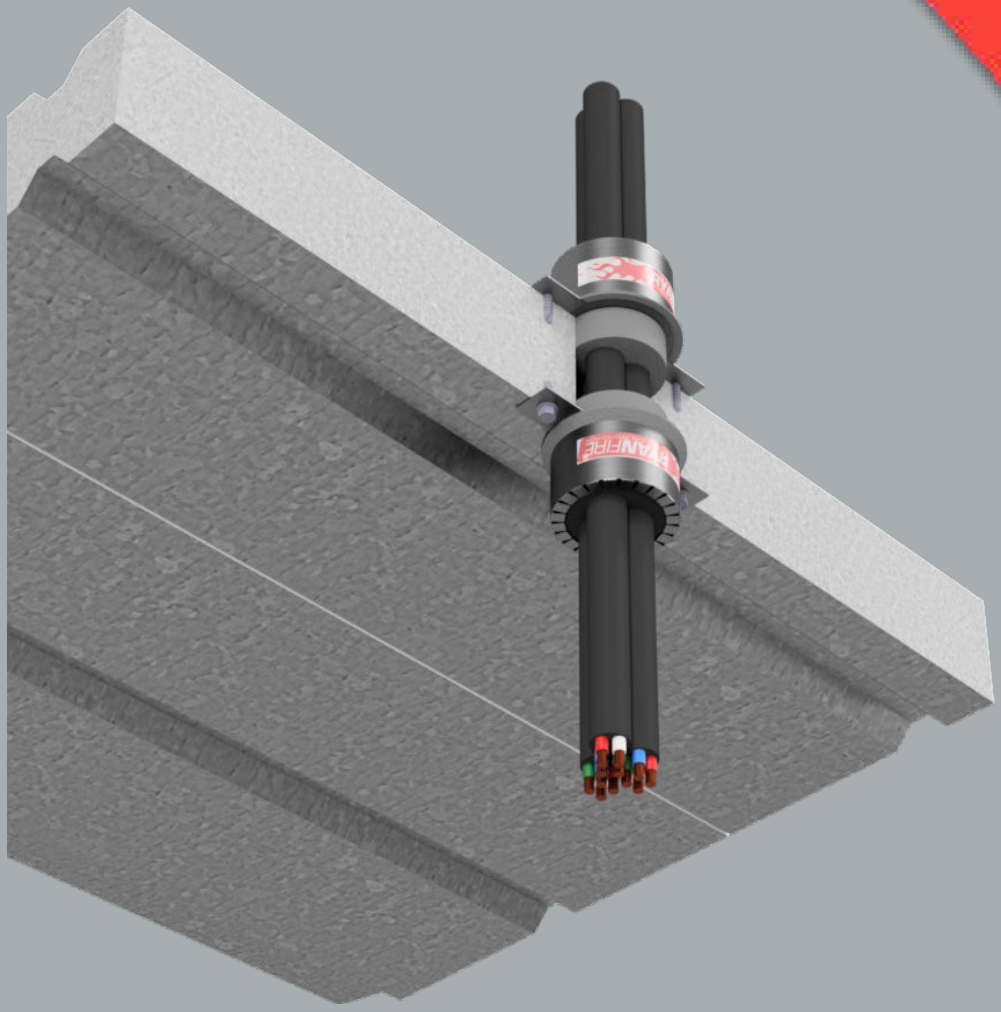
RYANFIRE
PASSIVE FIRE PROTECTION

New Zealand's leading supplier
of passive fire protection solutions

KOROK
FIRE AND ACOUSTIC WALL SYSTEMS



FIRE STOPPING FOR KOROK® CEILING SYSTEMS

Ryanfire Brochure/KRKCEILING V1.0 10/2026

KOROK® CEILINGS

KOROK® Ceiling & Bulkhead Systems provide a smarter, more efficient approach to fire-rated ceiling construction for commercial, industrial, and infrastructure projects. Utilising KOROK® 78mm panels, these systems are designed to simplify fire continuity while enabling fast underside installation with Fire Resistance Ratings of up to -/120/120.

FEATURED PRODUCTS

- Ryanbatt 502
- Ryanfire Mastic
- Ryanfire HP-X
- Ryanfire SL Collar

APPLICATIONS AND SERVICES

- Power and Data Cables
- Sprinkler heads
- Blank Apertures

KOROK
FIRE AND ACOUSTIC WALL SYSTEMS

RYANFIRE
PASSIVE FIRE PROTECTION

SYSTEM AND INSTALLATION OVERVIEWS

78MM KOROK CEILING (120 MINUTE APPLICATIONS)

CABLES..... 5

SPRINKLER HEAD..... 8

RYANBATT 502 BOARD SEALS

BLANK APERTURES..... 10

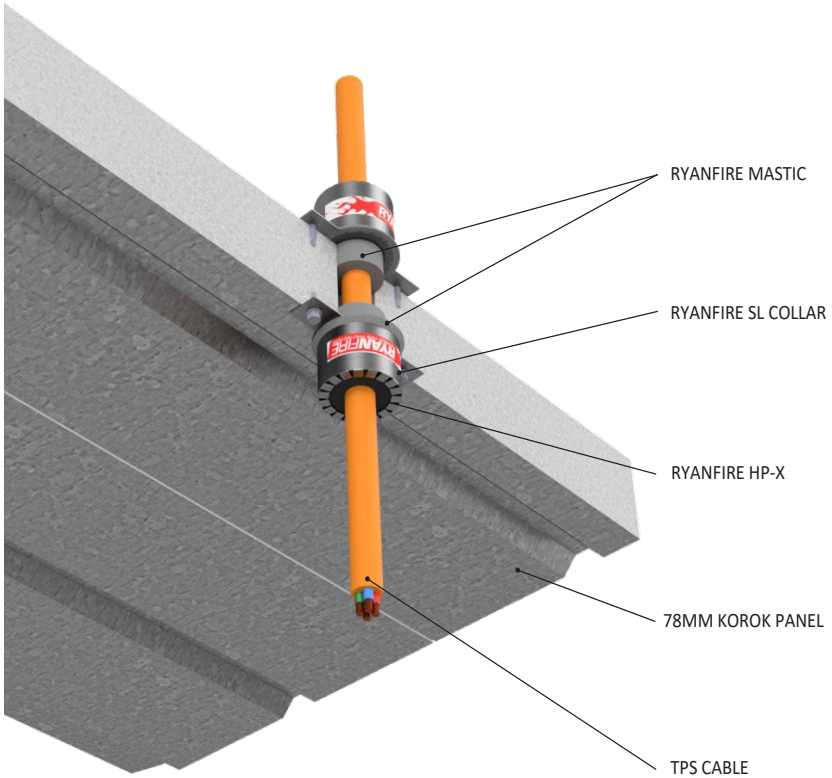
KOROK
FIRE AND ACOUSTIC WALL SYSTEMS

120 MINUTE APPLICATIONS

78MM KOROK® PANELS

INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE CABLE.
3. APPLY RYANFIRE MASTIC INTO THE ANNULAR GAP BETWEEN THE CABLE AND KOROK PANEL.
4. SECURE THE SL COLLAR AROUND THE CABLE AND SLIDE IT UP UNTIL IT IS UP AGAINST THE SURFACE OF THE KOROK. FIX THE COLLAR INTO PLACE USING 12G X 30MM TEK SCREWS.
5. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE CABLE AND THE COLLAR, TO THE FULL DEPTH OF THE COLLAR.
6. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC AROUND THE JOINT BETWEEN THE SL COLLAR AND THE KOROK.
7. REPEAT THIS PROCESS ON THE OPPOSITE SIDE OF THE CEILING.



Products:	**RYANFIRE SL COLLAR** **RYANFIRE HP-X** **RYANFIRE MASTIC**
Approvals:	**AS 1530.4/AS 4072.1**
BK:	**276**
Ref:	**23SFR00058**
ID:	**C, D**
Scenario:	Penetration seal to single TPS cables
Services:	Up to Ø16mm / 25mm^2 TPS cable
Construction:	78mm KOROK (non trafficable) ceiling
Fire Integrity:	120 minutes
Fire Insulation:	120 minutes

Web based drawings are for example only. Fire performance of any system is dependant on, but not limited to size of opening, substrate, if penetrations are passing through, type, size and number. Please refer to Ryanfire technical department for detailed and specific fire performance information.

RYANFIRE PASSIVE FIRE PROTECTION

RYANFIRE Technical Support:
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title

SL Collar & HP-X to TPS cable 78mm KOROK panel ceiling

Scale	Date
NTS	**July 2024**

Drawing Number	Rev
V29.54	**2.0**

All errors and omissions excepted. The information contained within this drawing is believed to be correct on the date of publication, and is based upon tested and certified solutions. The policy of **Ryanfire Products** is one of constant improvement. Installers must ensure that they are following the latest published drawings, test evidence and instructions. Whilst **Ryanfire Products** will endeavour to keep its publications up to date, the accuracy of the information contained within this drawing may be affected by pertinent changes in the law or regulatory requirements and alterations or amendments to the specification of **the manufactured** products. Terms and conditions of sale apply.

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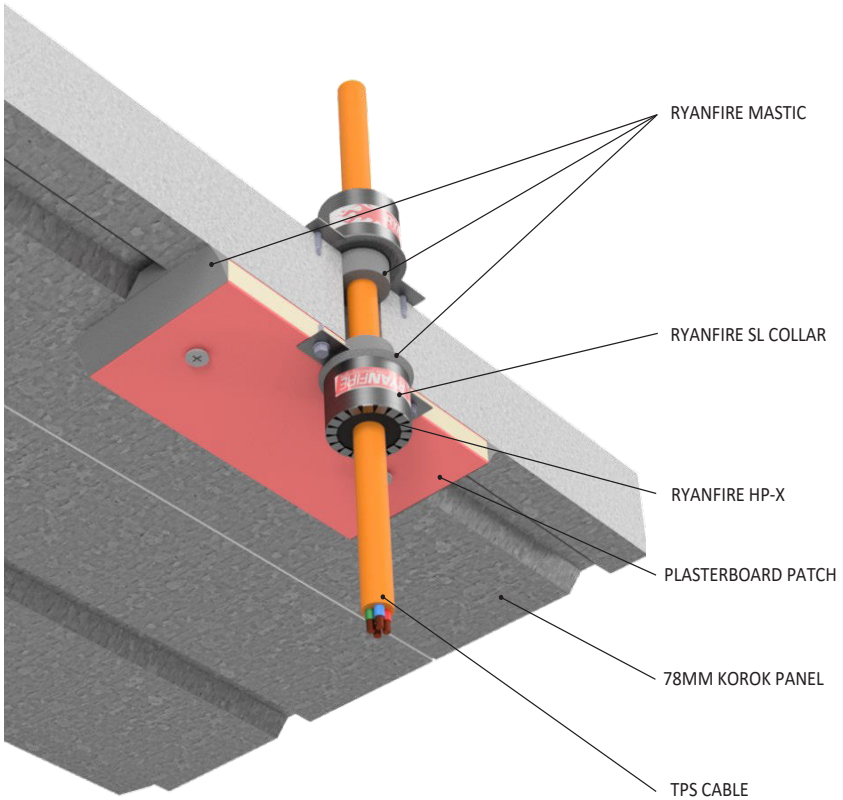
INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. CUT A 200MM X 200MM PLASTERBOARD PATCH TO FIT ONTO THE UNDERSIDE OF THE KOROK CEILING.
3. APPLY A BEAD OF RYANFIRE MASTIC TO THE FACE OF THE PATCH THAT WILL MATE WITH THE KOROK. FIX THE PATCH INTO PLACE WITH 6G X 32MM PLASTERBOARD SCREWS.
4. APPLY RYANFIRE MASTIC TO THE JOINT BETWEEN THE PATCH AND THE KOROK, AND TO ANY OTHER JOINS.
5. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE CABLE.
6. APPLY RYANFIRE MASTIC INTO THE ANNULAR GAP BETWEEN THE CABLE AND KOROK PANEL.
7. SECURE THE SL COLLAR AROUND THE CABLE AND SLIDE IT UP UNTIL IT IS UP AGAINST THE SURFACE OF THE PATCH. FIX THE COLLAR INTO PLACE USING 12G X 30MM TEK SCREWS.
8. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE CABLE AND THE COLLAR, TO THE FULL DEPTH OF THE COLLAR.
9. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC AROUND THE JOINT BETWEEN THE SL COLLAR AND THE KOROK.
10. REPEAT STEPS 5 - 9 ON THE OPPOSITE SIDE OF THE CEILING.
11. CLEAN ANY EXCESS SEALANT WITH A DAMP CLOTH.



Products:	**RYANFIRE SL COLLAR** **RYANFIRE HP-X** **RYANFIRE MASTIC**
Approvals:	**AS 1530.4/AS 4072.1**
BK:	**276**
Ref:	**23SFR00058**
ID:	**E**
Scenario:	Penetration seal to single TPS cables
Services:	Up to Ø16mm TPS cable
Construction:	78mm KOROK (non trafficable) ceiling + plasterboard patch
Fire Integrity:	120 minutes
Fire Insulation:	120 minutes

Web based drawings are for example only. Fire performance of any system is dependant on, but not limited to size of opening, substrate, if penetrations are passing through, type, size and number. Please refer to Ryanfire technical department for detailed and specific fire performance information.

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RYANFIRE Technical Support:
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title
SL Collar, HP-X + patch to TPS cable 78mm KOROK panel ceiling

Scale	Date
NTS	**July 2024**

Drawing Number	Rev
V29.55	**2.0**

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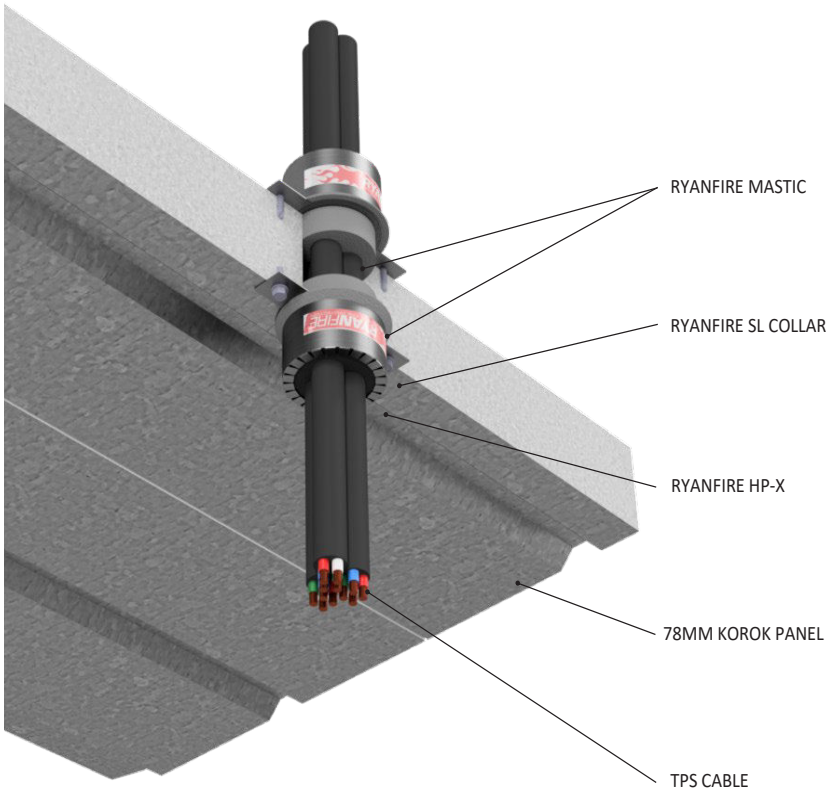
INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE CABLE BUNDLE.
3. APPLY RYANFIRE MASTIC INTO THE ANNULAR GAP BETWEEN THE CABLES AND KOROK PANEL.
4. SECURE THE SL COLLAR AROUND THE BUNDLE AND SLIDE IT UP UNTIL IT IS UP AGAINST THE SURFACE OF THE KOROK. FIX THE COLLAR INTO PLACE USING 12G X 30MM TEK SCREWS.
5. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE CABLE BUNDLE AND THE COLLAR, TO THE FULL DEPTH OF THE COLLAR.
6. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC AROUND THE JOINT BETWEEN THE SL COLLAR AND THE KOROK.
7. REPEAT THIS PROCESS ON THE OPPOSITE SIDE OF THE CEILING.



Products: RYANFIRE SL COLLAR
RYANFIRE HP-X
RYANFIRE MASTIC
Approvals: AS 1530.4/AS 4072.1
BK: 276
Ref: 23SFR00058
ID: B, F, G

Scenario: Penetration seal to cable bundles

Annular: 6 - 10mm
Aperture: Max Ø44

Construction: 78mm KOROK (non trafficable) ceiling

Services		FRR
TPS	Up to 3x25mm^2	-/120/90
Fire Alarm	Up to 2	-/120/120
Data/Optic	Up to 5	-/120/120

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RYANFIRE PASSIVE FIRE PROTECTION

RYANFIRE Technical Support:
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title
SL Collar & HP-X to cable bundles 78mm KOROK panel ceiling

Scale	Date
NTS	July 2024

Drawing Number	Rev
V29.56	2.0

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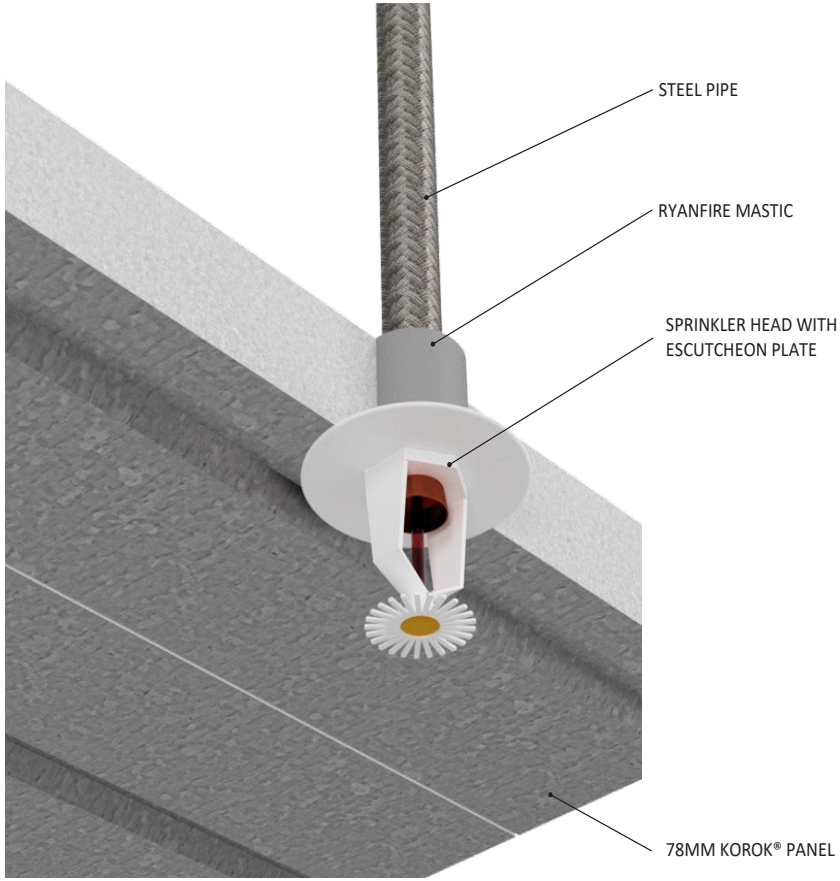

INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. APPLY RYANFIRE MASTIC INTO THE ANNULAR GAP BETWEEN THE SPRINKLER HEAD / STEEL PIPE AND THE KOROK® PANEL, TO THE FULL DEPTH OF THE PANEL.
3. CLEAN ANY EXCESS SEALANT WITH A DAMP CLOTH.

Products:	**RYANFIRE MASTIC**
Approvals:	**AS 1530.4:2014/AS 4072.1:2005**
BK:	**276**
Ref:	**23SFR00058**
ID:	**I**
Scenario:	Penetration seal to sprinkler pipe & sprinkler head
Services:	Up to Ø28mm steel pipes & sprinkler heads
Annular:	6 - 8mm
Construction:	78mm KOROK® (non trafficable) ceiling
Fire Integrity:	120 minutes
Fire Insulation:	0 minutes

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RYANFIRE PASSIVE FIRE PROTECTION

RYANFIRE Technical Support:
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title
Ryanfire Mastic to sprinkler heads 78mm KOROK® panel ceiling

Scale	Date
NTS	**April 2025**

Drawing Number	Rev
V2.1	**3.0**

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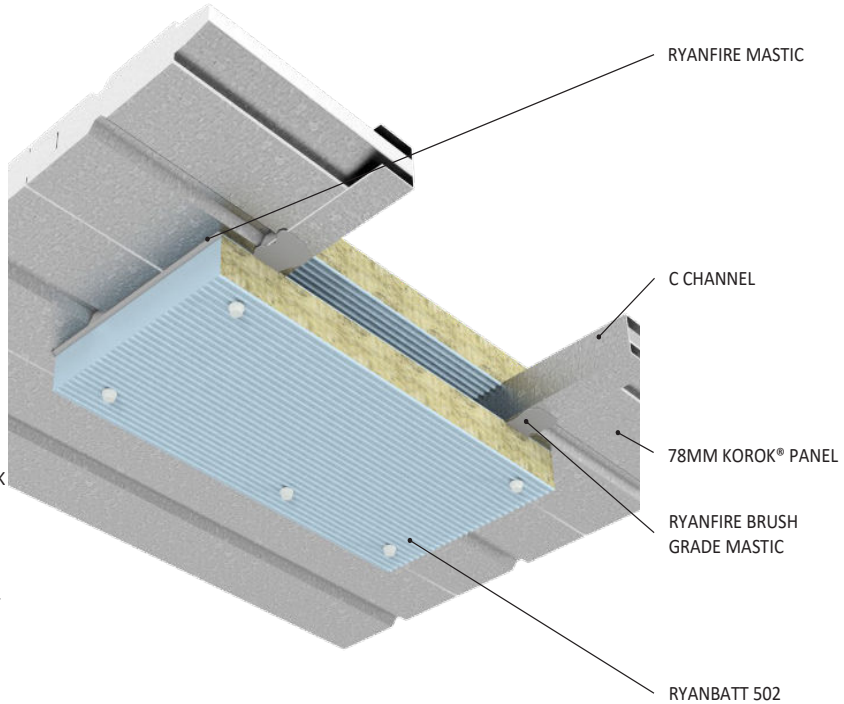
KOROK
FIRE AND ACOUSTIC WALL SYSTEMS

RYANBATT 502 BOARD SEALS

INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS. THE APERTURE SHOULD BE FORMED AS PER THE KOROK® SPECIFICATIONS.
2. CUT THE RYANBATT 502 TO FIT OVER THE APERTURE. THE BOARD MUST HAVE A MINIMUM 100MM OVERLAP ON ALL SIDES.
3. APPLY A 100MM WIDE COAT OF RYANFIRE BRUSH GRADE MASTIC TO THE PERIMETER OF THE APERTURE.
4. APPLY RYANFIRE BRUSH GRADE MASTIC TO THE PERIMETER OF THE BOARD WHERE IT WILL MATE WITH THE WALL.
5. APPLY RYANFIRE BRUSH GRADE MASTIC TO ALL EXPOSED AND CUT EDGES OF THE 502 BOARD.
6. PLACE THE RYANBATT 502 OVER THE APERTURE AND FIX INTO POSITION WITH MINIMUM 14G X 75MM TEK SCREWS AND PENNY WASHERS NO MORE THAN 50MM FROM THE EDGES AND AT MAX 200MM CENTRES.
7. 502 BOARD JOINTS SHOULD BE STAGGERED AT LEAST 200MM BETWEEN EACH SIDE OF THE CEILING
8. APPLY A MINIMUM 5MM NOMINAL BEAD OF RYANFIRE MASTIC TO THE PERIMETER OF THE SEAL, ANY BOARD TO BOARD JOINTS AND TO ANY OTHER GAPS, INCLUDING ANY RECESSES IN THE KOROK® PANEL.
9. REPEAT THE PROCESS ON THE OPPOSITE SIDE OF THE CEILING.
10. CLEAN ANY EXCESS SEALANT WITH A DAMP CLOTH.



Products:	**RYANBATT 502** **RYANFIRE MASTIC** **RYANFIRE BRUSH GRADE MASTIC**
Approvals:	**AS 1530.4/AS 4072.1**
BK:	**276**
Ref:	**23SFR00058**
ID:	**A**
Scenario:	Pattress fit blank aperture seal to (non trafficable) KOROK® ceiling
Construction:	78mm KOROK® panel
Aperture:	Up to 400mm x 400mm
Fire Integrity:	120 minutes
Fire Insulation:	120 minutes

The fire rating may change depending on service penetration performance.

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RYANFIRE Technical Support:
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title
Ryanbatt 502 pattress fit blank seal 78mm KOROK® panel ceiling

Scale	Date
NTS	**April 2025**

Drawing Number	Rev
V53.41	**3.0**

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