

# KOROK® TECHNICAL SPECIFICATION

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## KOROK®

### **1 GENERAL**

#### 1.1 SCOPE OF WORKS

Refer to the drawings and specification for implied or specified scope of works which is generally for the supply and fitting of KOROK® Fire and Acoustic Systems in order to provide a complete project.

#### 1.2 RELATED MASTERSPEC® SPECIFICATIONS

Section 3421      Light Steel Framing  
Section 3821      Timber Framing  
Section 4719      Thermal Insulating Materials  
Section 4729      Acoustic Insulating Materials  
Section 5113G     Gib Plasterboard Linings  
Refer to the Acoustic  
Report Refer to the Fire Report.

#### 1.3 DOCUMENTS

Documents referred to in the specification are:

NZS 3403      Hot dipped galvanised corrugated steel sheet for building purposes.  
NZS 3441      Hot dipped zinc coated steel coil and cut lengths.  
NZS 4203      Code of practice for general structural design and design loadings for buildings.  
NZS 7202      Part 1 specification for gap filling adhesives.  
AS/NZS 2589    Gypsum linings in residential and light commercial construction.  
AS 1538      Cold formed steel structures code.

Documents listed above and cited in the clauses that follow are part of this specification. However this specification takes precedent in the event of it being at variance to the cited documents.

### **2 MANUFACTURERS DOCUMENTS**

Manufacturers and suppliers documents which refer to work in this section are:

KOROK® Technical and Installation Manual  
USG Drywall Steel Stud & Track System

Rondo Steel Stud & Tracks Installation  
Manual Autex Insulation Data Sheets  
Tasman Insulation Data Sheets  
Gib® Technical Information  
Hilti New Zealand Catalogue  
Hylton Parker Fasteners Catalogue

### 3 PERFORMANCE

- 3.1 PROVIDE  
Provide a territorial authority approved producer statement.
- 3.2 STRAIGHTNESS  
Hold within L/600 approximately 5mm in 3 metres.

### 4 PRODUCT

- 4.1 MATERIALS  
Cold rollformed steel shells to AS1538 and galvanised to AS1397, filled with proprietary aerated concrete infill.

**BRAND** - **KOROK®**

<i>Member</i>	<i>Dimensions</i>	<i>Length</i>
KOROK® Panels	250mm high x 78mm wide nominally	up to 8.0m
Tracks – C Channel	60mm x 80mm x 1.2bmt	3m
– L Section	60mm x 60mm x 1.2bmt	3m

**Finishes** - Galvanised Z275  
- ZR8 Colourcote  
- ZRX Colourcote  
- ZAM

Weight 39.6 kg/m<sup>2</sup> or 9.9 kg/m

### 5 COMPONENTS

- 5.1 SCREWS  
Self drilling, self tapping to suit the member, connection method and location to the manufacturers stated requirements.
- 5.2 POWDER ACTUATED FASTENERS

To type, size and charge required by the powder actuated tool manufacturer for each particular member and the substrate.

**5.3 BOLTS AND SCREWS**

Of engineering and/or coach type complete with washers to suit the member, connection method and location to the manufacturers stated requirements.

**5.4 LIGHT STEEL FRAMING**

Cold rollformed steel sections to AS1538 and galvanised to AS1397, coating class ZM100.

**5.5 GLASS POLYESTER FIBRE ACOUSTIC PANELS AND BLANKET**

Lightweight glass fibre or bonded polyester fibre materials in panels or as a 600mm/1200mm wide blanket.

**5.6 GIB® PLASTERBOARD**

No substitutions to be made to any specified Gib® plasterboard sheets.

**5.7 GROUT**

Hilti CM651 non shrink cementitious grout for high performance grouting of building components.

**5.8 FIRE SEALANT**

Hilti CP606 fire resistant joint filler for floor and wall connections with low movement.

**6 EXECUTION**

**6.1 HANDLE AND STORE**

Handle and store panels, channels and accessories to avoid damage. Keep dry in transit, store clear of the ground on timber pallets.

**6.2 SUBSTRATE**

Substrate to be plumb, level and true alignment do not start erection if the substrate will not allow work of the required standard.

**7 APPLICATION**

**7.1 TRACKS**

Fit floor, wall and ceiling tracks square and true to line with fixings in accordance with the KOROK® installation manual.

- 7.2 **KOROK® PANELS**  
Position KOROK® panels in the channels plumb and true. Insert grout and fire sealant in accordance with the KOROK® manual.
- 7.3 **STRAPPING**  
Provide all studs and battening required for the fixing of insulation and linings to complete the KOROK® system in accordance with the manufacturers installation manual. Leave all this work, plumb, square and true to line and face.
- 7.4 **LEAVE**  
Leave all work to the standard required for all the following trades.
- 7.5 **REMOVE**  
Remove all debris, unused material and elements from the site.