

# 5216S KOROK® PANELISED PARTITIONS

## KOROK®

### 1 GENERAL

#### SCOPE OF WORKS

Refer to the drawings and specification for implied or specified scope of works, for the supply and fitting of KOROK® Fire and Acoustic Systems.

#### 1.1 RELATED MASTERSPEC® SPECIFICATIONS

Refer to ..... For .....

Refer to the Acoustic Report

Refer to the Fire Report.

#### 1.2 DOCUMENTS

Documents referred to in the specification are:

AS1530-4	Fire resistance tests of elements of Building Construction.
AS1397-2011	Continuous hot-dip metallic coated steel sheet and strip – Coatings of zinc and zinc alloyed with aluminium and magnesium.
AS/NZS 1170	Structural Design Actions
AS/NZS 2589	Gypsum linings in residential and light commercial construction.
AS/NZS 4600-1996	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.

### 1.3 MANUFACTURERS DOCUMENTS

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

KOROK® Technical and Installation Manual  
KOROK® Intertenancy Apartment Systems Manual  
KOROK® Intertenancy Terraced Housing Systems Manual  
KOROK® Warehouse and Retail Systems Manual  
KOROK® Warehouse Installation Guide

BRANZ Appraisal 559 [2007] KOROK® System  
BRANZ Appraisal 772 [2011] The KOROK® EX1 External Wall System

USG Drywall Steel Stud & Track System  
Rondo Steel Stud & Tracks Installation Manual  
Autex Insulation Data Sheets  
Tasman Insulation Data Sheets  
Gib® Technical Information  
USG Boral Plasterboard Installation Manual  
Hilti New Zealand Catalogue  
Sika Fire Protection Solutions  
Hylton Parker Fasteners Catalogue  
Promat [www.promat.com.au](http://www.promat.com.au)

#### **Requirements**

#### 1.4 NO SUBSTITUTIONS

Substitutions are not permitted to any specified KOROK® systems.

#### 1.5 QUALIFICATIONS

KOROK® installers are to be experienced and competent workers. Submit evidence of experience on request

#### 1.6 ACCEPTABLE SUPPLIERS

In some cases, KOROK® systems require use of products and accessories from other manufacturers to meet specific performance requirements. Refer to the KOROK® details and specifications for these products and/or accessories.

## 2.0 GUARANTEES

### 2.1 WARRANTY

Refer to the PRELIMINARIES AND GENERAL section for the required form of warranty agreement and details of when completed warranties must be submitted.

## 3.0 PERFORMANCE

### 3.1 PROVIDE

Provide a territorial authority approved producer statement.

### 3.2 STRAIGHTNESS

Hold within L/600 approximately 5mm in 3 metres.

## 4.0 PRODUCT

### 4.1 MATERIALS

Cold rollformed steel shells to AS/NZS 4600:1996 and galvanised to AS1397:2011, filled with proprietary aerated concrete infill. Refer to SELECTIONS for location, thickness and system type.

#### MANUFACTURER

KOROK® Building Systems (NZ) Limited  
Norris Ave  
Te Rapa  
HAMILTON  
Ph: 07 849 7062  
[info@korok.com](mailto:info@korok.com)  
[www.korok.com](http://www.korok.com)

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**BRAND** - **KOROK®**

<i>Product</i>	<i>Dimensions</i>	<i>Length</i>
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#### Materials

<b>KOROK® 78mm Panels</b>	250mm high x 78mm wide nominally	to 8.0m
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Tracks	C Track	60mm x 80mm x 1.15bmt	3.6m
	L Section	60mm x 60mm x 1.15bmt	2.4m

J Track	60mm x 80mm x 70mm x1.15bmt	3.6m
Finishes	<ul style="list-style-type: none"> <li>- Galvanised Z275 x .4 TCT</li> <li>- ZR8 Colourcote X .4 TCT</li> <li>- ZRX Colourcote X .4 TCT</li> <li>- ZAM X .4 TCT</li> </ul>	
Weight	See selections for specified density	

**KOROK® 51mm Panels** 250mm high x 51mm wide nominally to 5.0m

Tracks	C Track	60mm x 51 mm x 1.15bmt	3.6m
	L Section	60mm x 50mm x 1.15 bmt	2.4m
	J Track	60mm x 51mm x 70mm x1.15bmt	3.6m
Finishes	<ul style="list-style-type: none"> <li>- Galvanised Z275 x .4 TCT</li> <li>- ZR8 Colourcote X .4 TCT</li> </ul>		
Weight	See selections for specified density		

## 5.0 COMPONENTS

### 5.1 FIXINGS – WIND AND EARTHQUAKE

Use fixings designed for appropriate wind and earthquake loads as given and required by AS/NZS 1170. Refer to KOROK® requirements for details

### 5.2 SCREWS

Self drilling, self tapping to suit the member, connection method and location to the manufacturers stated requirements. Refer to KOROK® requirements for details

### 5.3 POWDER ACTUATED FASTENERS

To type, size and charge required by the powder actuated tool manufacturer for each particular member and the substrate. Refer to KOROK® requirements for details

### 5.4 SUPPORT BOLTS

As specified by the Structural Engineer

#### 5.5 KOROK® EX1 GALVANISED STEEL BASE ANGLE

12mmx140mmx40mm x 3mm Galvanised Steel L Section, 2.4m long to support vertical KOROK® panels. L Section is pre-drilled and countersunk at 400mm centres for 6.5mm x75mm csk Bluetip Screw bolts

#### 5.6 FLASHINGS

KOROK® KIT Flashing for mid-wall joins. KOROK® Fire Flashings for head C- Track protection, KOROK Base cover flashing for EX1 system 3mm L Section protection.

#### 5.7 KOROK® EX Systems WALL AND PARAPET FLASHINGS

Supplied by the cladding manufacturer to match or to suit the cladding. Formable grade 0.55 BMT for galvanised, aluminium/zinc-coated and pre-painted steel, and 0.90 for aluminium to the same standards as the profiled skin, notched where across profile or provided with a soft edge.

#### 5.8 LIGHT STEEL FRAMING

Cold rollformed steel sections to AS/NZS 4600:1996 and galvanised to AS1397:2011, coating class ZM100. Installed to steel framing manufacturers specification.

#### 5.9 ACOUSTIC PANELS AND BLANKET

Lightweight glass fibre or bonded polyester fibre materials in panels or as a 600mm/1200mm wide blanket. Refer to Selections for type, thickness and density.

#### 5.10 PLASTERBOARD

All plasterboard fixtures, board layouts and topping must follow the specification provided by the plasterboard manufacturer, unless otherwise advised by KOROK®

#### 5.11 GROUT

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

#### 5.12 FIRE SEALANT

Hilti® CP606, Promat Promaseal® A and AN, Sikaflex®-400 Fire and Bostik Firecaulk fire resistant joint filler for floor, wall and C-Track connections with low movement.

#### 5.13 ALUMINIUM BRACKETS

KOROK® Aluminium Brackets 75x50x3mm only must be used for KOROK® KIT Intertenancy Systems

## **6.0 EXECUTION**

### **6.1 HANDLE AND STORE**

Handle and store KOROK® panels, Tracks 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.

## **Application**

### **6.3 TRACKS**

Fit floor, wall and ceiling Tracks square and true to line with fixings in accordance with the KOROK® manuals.

### **6.4 KOROK® PANELS**

Position KOROK® panels in the KOROK® Track plumb, level and true. Insert grout and fire sealant where required in accordance with the KOROK® manuals.

### **6.5 KOROK® PANEL ORIENTATION**

KOROK® panels will be fixed in horizontal or vertical orientation as specified.

### **6.5 SEALING**

Ensure at time of erection, that the limits of acceptable joint variation (from the manufacturer's requirements) for each product are maintained. Prepare joints, protect adjoining surfaces, seal joint surfaces, fit limiting rods and insert sealant to the manufacturer's requirements, acoustic and fire resistance requirements. Do not use metal implements for applying or tooling sealant. Extrude sealant into the joint, ensuring that all air is excluded. Tool the surface and remove any excess. All sealant joints to finish flush or slightly concave.

## 6.6 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.

## 6.7 FORM OPENINGS

Form openings and penetrations as detailed and to KOROK's® requirements.

### **Completion**

## 6.8 PROTECTION

Protect all surfaces and finishes from damage as long as practicable, including the retention of all or any protective coatings provided by KOROK®. Remove protective coatings, using only the methods required by the KOROK®.

## 6.9 CLEAN

Trade clean all panel surfaces to remove all marks, dust and dirt to enable a visual inspection of all surfaces at completion of the installation and again at contract completion.

## 6.10 COMPLETE

Ensure the work is complete with all flashings, finishings and trim properly installed so the walling system is left ready for the exterior cladding installation or internal finishing.

Remove waste, unused materials and elements from site.