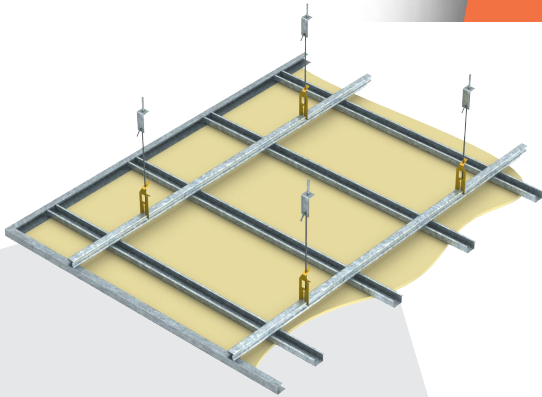




PRODUCT DATA SHEET

**RONDO®**

# KEY-LOCK® CONCEALED CEILING SYSTEM



Whether you're looking to direct-fix or fully suspend your plasterboard ceiling, the Rondo KEY-LOCK® Concealed Ceiling System is designed to produce high quality framing for a flush or featured finish in internal applications.

Available for non fire-rated and fire-rated applications, bulkhead, seismic and acoustic designs, it is strong enough to hold multiple layers of plasterboard.

## FIRE-RATED AND ACOUSTIC DESIGN / CURVED CEILING SYSTEMS / SEISMIC DESIGN

### BENEFITS

- Manufactured using continuous hot-dipped galvanized steel providing surety for strength and reliability
- Primary and secondary profiles available in custom lengths or radiuses
- Speed and accuracy of installation
- Common carrier for a variety of material panel products

### SUITABLE FOR

- Flush plasterboard ceilings
- Direct-Fix or Fully Suspended internal applications
- Non-Fire Rated systems
- Fire Rated systems - This to be installed strictly in accordance with the tested system
- Acoustic applications requiring multiple layers of plasterboard. Please refer to Rondo Design services when considering seismic solutions in conjunction with acoustic requirements
- Seismic applications - Project specific seismic solutions can be prepared for the KEY-LOCK® System
- Vented, pressure sealed and non-pressure sealed ceiling applications
- Increased wind actions



STANDARDS & CODES	CEILING					WALLS			ACCESSORIES	FINISHING SECTIONS		ACCESS PANELS
	DONN	KEY-LOCK	XPRESS	WALK-ABOUT	STUD & TRACK	STUD & TRACK	MAXIFRAME	QUIET STUD	TOP HATS	EXANGLE	EXANGLE RT	PANTHER
<b>NCC 2022</b> - Building Code of Australia Volumes 1 & 2												
<b>NZBC - B1/VM1</b> NZ Building Code Verification Method B1/VM1 Clause 2												
<b>NZBC - B2</b> Durability Rondo XPRESS® Drywall Grid System will have a minimum serviceable life of 15 years when installed in a dry, non- corrosive, interior installation.												
<b>AS/NZS 1170.0:2002</b> Part 0: General principles												
<b>AS/NZS 1170.1:2002</b> Part 1: Permanent, imposed & other actions												
<b>AS/NZS 1170.2:2021</b> Part 2: Wind actions												
<b>AS 1170.4:2007</b> Part 4: Earthquake actions in Australia												
<b>NZS 1170.5:2004</b> Part 5: Earthquake actions in New Zealand												
<b>NZS 4219:2009</b> Seismic performance of engineering systems in buildings												
<b>AS/NZS 4055:2021</b> Wind loads for housing												
<b>AS/NZS 4600:2018</b> Cold formed steel structures												
<b>AS/NZS 2785:2020</b> Suspended Ceilings - Design & installation												
<b>AS 3566.1:2002</b> Self-drilling screws for the building and construction industries - General requirements and mechanical properties												
<b>AS 5216:2021</b> Design of post-installed and cast-in fastenings in concrete												
<b>AS1530.4:2014</b> Fire resistance tests for elements of construction												
<b>AS/NZS 1530.3:1999</b> Simultaneous determination of ignitability, flame propagation, heat release and smoke release (Reconfirmed 2016)												
<b>AS 1191:2002</b> Acoustics - Method for laboratory measurement of airborne sound transmission insulation of building elements												
<b>AS/NZS ISO 717.1:2004</b> Acoustics - Airborne sound insulation												

STRUCTURAL DESIGN ACTIONS

STANDARDS & CODES	CEILING					WALLS			ACCESSORIES	FINISHING SECTIONS		ACCESS PANELS
	DONN	KEY-LOCK	XPRESS	WALK-ABOUT	STUD & TRACK	STUD & TRACK	MAXIFRAME	QUIET STUD	TOP HATS	EXANGLE	EXANGLE RT	PANTHER
<b>ASTM C635/C635M-17</b> Standard Specification for Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings												
<b>AS 3623:1993</b> Domestic metal framing												
<b>AS/NZS 1657:2018</b> Fixed platforms, walkways, stairways & ladders. Design, construction & installation												
<b>AS/NZS 1397:2021</b> Continuous hot-dip metallic coated steel sheet & strip - Coatings of zinc & zinc alloyed with aluminium & magnesium												
<b>AS/NZS 1664.1:1997</b> Aluminium structures - Limit state design												
<b>AS/NZS 1866:1997</b> Aluminium & aluminium alloys - Extruded rod, bar, solid & hollow shapes												
<b>AS/NZS 2311:2017</b> Guide to the painting of buildings												
<b>AS/NZS 2589:2017</b> Gypsum Linings - Application & finishing												

## MATERIAL SAFETY DATA INFORMATION

### MATERIALS

Products manufactured by Rondo Building Services are produced from coated steel coil material which is classified as a non-hazardous material.

### PRODUCTION PROCESSES

A water-based soluble lubricant is used to assist with the roll forming process. These soluble lubricants are not considered hazardous when used as recommended by the manufacturer.

### HANDLING AND STORAGE

Products are supplied in pack and sub-pack quantities and should be handled in accordance with the recommendations contained in AS 1470 – Health and Safety at Work Principles and Practice.

Where mechanical lifting or moving equipment is required, trained, and licensed operators are to be used.

Metal products should be stored in an environmentally friendly area away from airborne contaminants such as acid and salt sprays.

### SAFETY

It is our recommendation that PPE should be worn when handling metal products (AS 2161 –Occupational Protective Gloves) and that they should be checked regularly for damage.

People with sensitive skin conditions should seek medical advice before prolonged handling of metal products: hands should be washed before eating and for personal hygiene.

Safety glasses (AS/NZS 1336) should be worn when cutting metal sections.

### SITE TRAINING

It is the responsibility of the contractor to ensure their employees are trained in onsite WHS procedures as these can vary from site to site.

### COMBUSTIBILITY

For more information on the steel used by Rondo visit [www.steel.com.au](http://www.steel.com.au) or [click here](#).



