

**E1XC60**

Suspended Rondo Express® Grid Ceiling System

Load Bearing

**1 Layer: 1 Layer of Plasterboard to underside side of frame**

System Number	Lining Suffix	Fire Rating	Load Bearing Ability	Noise Control			Lining Requirement
				STC	Rw	IIC	
<b>E1XC60</b>	<b>-F16</b>	60/60/60	LB	48	47	43	1 x 16mm Elephant FireSmart

**Floor Framing**

Timber floor joists shall comply with NZS3604 and spaced at no more than 600mm centres. Solid strutting is required in accordance with NZS 3604.

Alternatively, a proprietary I-joist system may be used subject to specific structural design and approved by the normal building consent process.

Nogs fixed on the flat to receive the ends of flooring material shall be 90mm x 45mm minimum.

**Flooring**

Flooring shall be 20mm thick particle board or 17mm thick structural ply, fixed to the joists as per manufacturer's instructions.

Flooring sheet joints must either be formed over framing or have a polypropylene tongue and groove jointer.

**Minimum Cavity Depth**

The system requires a minimum of 450mm cavity depth between the ceiling linings and the underside of the flooring.

**Suspension System**

Rondo Express® Drywall Grid ceiling system comprising 2.5mm wire hangers or Rondo XD50 wall angles at 1200mm centres maximum, supporting Rondo XD1 main tee spaced at a maximum of 1200mm centres and Rondo XD2-1200 cross tee installed at 600mm centres. Install Rondo XD2-600 cross tees at 1200mm centres, parallel to the main tee.

Rondo Express® Drywall Grid ceiling system to be installed as per manufacturer's specification.

**Plasterboard Lining**

One layer of 16mm Elephant FireSmart fixed parallel to the main tees. All taper edges must be located on cross tees. All sheet butt joints must occur on the suspension system.

Sheet joints shall be touch fitted.

**Fixing the Lining**

**Fasteners**

System Number	Single Layer
	Self-Tapping Drywall Screw
<b>E1XC60-F16</b>	16mm
	32 x 6g

**Fastening Centres**

Ceiling sheets shall be fixed at 150mm centres around each sheet perimeter and 200mm centres to intermediate framing. Place fasteners no closer than 12mm from sheet edges.

Place fasteners no closer than 18mm from sheet ends. However this can be reduced to 12mm if sheet ends occur on cross tees.

**Wall/Ceiling Junction**

The internal angle between the ceilings and walls must be protected by Cornice or square stopped corners, taped and filled in accordance with Elephant Plasterboard Installation Guide.

**Jointing**

All fastener heads stopped and all sheet joints reinforced with paper jointing tape and stopped in accordance with the publication entitled Elephant Plasterboard Installation Guide.

