

**E2UC60**

**Universal Ceiling - Timber or Steel Frame**

Load Bearing

One Way FRR

**2** Layers: 2 Layers of Plasterboard to underside side of frame

System Number	Lining Suffix	Fire Rating	Load Bearing Ability	Noise Control		Lining Requirement	Flooring or Roofing Material
				STC	IIC		
<b>E2UC60</b>	<b>-M26a</b>	60/60/60**	LB	N/A	N/A	2 x 13mm Elephant MultiSmart	NO Polymeric foam
	<b>-FM29</b>	60/60/60	LB	N/A	N/A	1 x 16mm Elephant FireSmart and 1 x 13mm Elephant MultiSmart	Any Material

\*\* N.B. System E2UC60-M26a achieves the stated fire rating with flooring or roofing materials that do not incorporate polymeric foam

**Floor Framing**

Timber or steel roof or floor/ceiling framing designed to meet structural criteria for strength and serviceability under dead and live loads.

The separation between the ceiling lining and any flooring or roofing material shall be 90mm minimum. Linings to be supported by framing members spaced at no more than 600mm centres and with a minimum width of 35mm.

Solid nogs shall be provided at the perimeter of the ceiling.

For timber construction, the nogs shall be 75mm x 40mm minimum.

**Plasterboard Lining**

Two layers of Elephant Plasterboard as per specified system above fixed at right angles directly to the underside of the framing above.

All sheet end butt joints must form on solid framing.

The joints of the second layer should be offset 600mm from those of the first layer.

Sheets to be touch fitted.

**Fixing of Linings**

**Fasteners**

System Number	Timber Frame		Steel Frame	
	1 <sup>st</sup> Layer	2 <sup>nd</sup> Layer	1 <sup>st</sup> Layer	2 <sup>nd</sup> Layer
	High Thread Drywall Screws		Self-Tapping Drywall Screws	
<b>E2UC60-M26a</b>	13mm	13mm	13mm	13mm
	41 x 6g	51 x 7g	25 x 6g	41 x 6g
<b>E2UC60-FM29 (opt-1)</b>	16mm	13mm	16mm	13mm
	41 x 6g	51 x 7g	32 x 6g	41 x 6g
<b>E2UC60-MF29 (opt-2)</b>	13mm	16mm	13mm	16mm
	41 x 6g	51 x 7g	25 x 6g	41 x 6g

**Fastener Centres**

For both layers, Ceiling sheets shall be screw fixed at 200mm centres around the perimeter of the ceiling, along each framing member and where sheet end butt joints occur.

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 furring channels or metal ceiling battens. Avoid outer layer screws from hitting inner layer screws.

**Wall/Ceiling Junction**

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

**Jointing**

Inner Layer: Unstopped.

Outer Layer: 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.

