

E1UC30

Universal Ceiling - Timber or Steel Frame

Load Bearing

One Way FRR

1 Layer: 1 Layer 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		
E1UC30	-F16a	30/30/30**	LB	N/A	N/A	1 x 16mm Elephant FireSmart	NO Polymeric foam

** N.B. System E1UC30-F16a 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 1200mm centres maximum (to provide solid nogg for the sheet edges) and to the perimeter of the ceiling. For timber construction, the nogs shall be 75mm x 40mm minimum.

Plasterboard Lining

One layer of 16mm Elephant FireSmart fixed at right angles directly to the underside of the framing above.

All tapered edged and sheet end butt joints must form on solid framing.

Alternatively the tapered edges can be back blocked using 300mm wide strips of 16mm Elephant FireSmart. Use Cornice adhesive to adhere the back blocking pieces as per the Elephant Installation Guide. Sheets to be touch fitted.

Fixing of Linings

Fasteners

System Number	Timber Frame	Steel Frame
		High Thread Drywall Screws
E1UC30-F16a	16mm 41 x 6g	16mm 32 x 6g

Fastener Centres

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.

Wall/Ceiling Junction

The internal angle between the ceilings and walls must be protected by Cornice, adhered with Cornice adhesive 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.

