## **E1CJ30**

# Composite Joist Floor/Ceiling

## 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
						Rw	IIC	Lining Requirement
	E1CJ30	-M13	30/30/30	LB	39	38	32	1 x 13mm Elephant MultiSmart

### **Floor Framing**

Composite Floor joists may be either hySPAN® or hyJOIST®. Joists shall be covered by specific engineering design for strength and serviceability. A minimum depth of 190mm and spaced at no more than 600mm centres.

Nogs fixed on the flat to receive the ends of flooring material shall be  $90 \text{mm} \times 45 \text{mm}$  minimum.

Consult the beam manufacturer re construction of the solid blocking contained in floor/ceiling to wall junctions.

### **Flooring**

Minimum flooring shall be nominal 20mm thick particle board or minimum 17mm thick structural plywood, fixed to the joists as per manufacturers' instructions.

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

### **Ceiling Framing**

Nogs shall be 70mm x 35mm minimum, fixed on the flat in between joists to receive the Elephant Plasterboard lining. They are spaced at 600mm centres for joist at 600mm centres or at 1200mm centres for joists at 450mm centres.

Nogs or framing is required at the perimeter of the fire rated ceiling.

#### **Plasterboard Lining**

One layer of 13mm Elephant MultiSmart fixed at right angles directly to the underside of floor joists.

All joints must occur on joists and solid blocking.

Sheets to be touch fitted.

## **Fixing of Linings**

#### **Fasteners**

Custom Number	Single Layer					
System Number	High Thread Drywall Screws					
F16120 M12	13mm					
E1CJ30-M13	41 x 6g					

#### **Fastener Centres**

Place fasteners 150mm centres around the perimeter of each sheet.

200mm centres across each joist and at the centre of each nog.

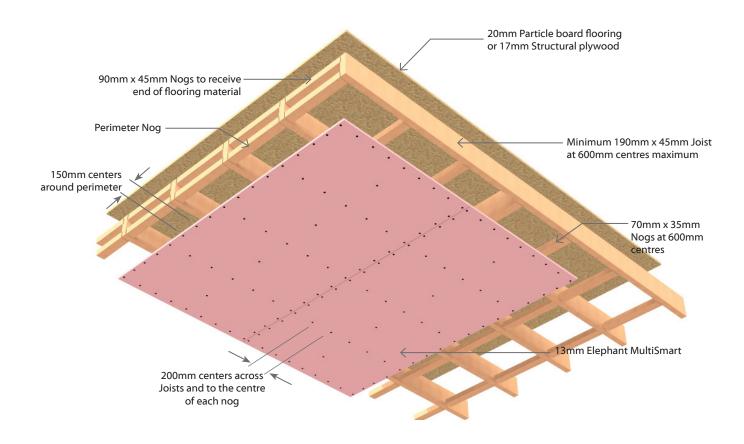
Place fasteners no closer than 12mm from sheet edges and 18mm from sheet ends.

## **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. All in accordance with the Elephant Plasterboard Installation Guide.





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