CurveShield

PRODUCT DATA SHEET

Key Benefits

- Design solution for concave and convex surfaces
- Economical light weight construction
- Easy to install

CurveShield can be used in residential and commercial applications.

CurveShield is standard plasterboard made from a core of gypsum sandwiched between two layers of heavy duty recycled paper. The face paper is coloured ivory ready for paint or wall paper finish.

Application

CurveShield is designed for creating tightly curved walls and ceilings. It is an internal wall and ceiling lining suitable for residential and commercial applications.

CurveShield is installed in two layers over a timber or steel frame and can also be installed over curved masonry wall.

Installation

CurveShield is usually installed using 'Fastener Only Method'. Fix on each stud. Stagger recessed edges and butt joints by 300mm between layers and on opposite sides of the wall.

Product Information

SHEET SIZE	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT* (kg/m²)
	6.5	1200	3600	4.5
FIRE HAZARD PROPERTIES	Group 1 with an Average Specific Extinction Area < 250 m²/kg determined in accordance with AS 5637.1 as required by NCC C1.10, Clause 4.			
COMBUSTIBILITY	May be used wherever a non-combustible material is required according to the Building Code of Australia (BCA) C1.9 (e)			
VOLATILE ORGANIC COMPOUNDS	Less than 0.5 mg/m³ TVOC			
HAZARDS IDENTIFICATION	Non-hazardous according to WHS Regulations and the ADG Code			

* Weights indicated are nominal

CurveShield is manufactured under a management system certified as complying to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

CurveShield has been independently certified by Global GreenTag to GreenRate Level A.

Green Star compliance documents are available at knauf.solutions/certificates

CurveShield can be used on projects that require certified plasterboard to achieve 100% points in the relevant categories.

Warranty

Knauf's products are guaranteed by a 10 Year Warranty. For details visit **www.knauf.solutions**

Technical Advice

AU **1300 724 505**

CurveShield

PRODUCT DATA SHEET

General requirements

- Use CurveShield for applications where the radius is less than 900mm.
- Fix ceiling framing at 300mm maximum centres for installation of CurveShield.
- Ensure that the radius on the convex side is not too tight for the corresponding concave side.
- Stagger recessed edges and butt joints by 200mm minimum between layers.
- Curve plasterboard along the short edge (widthways for tighter radii and easier jointing).

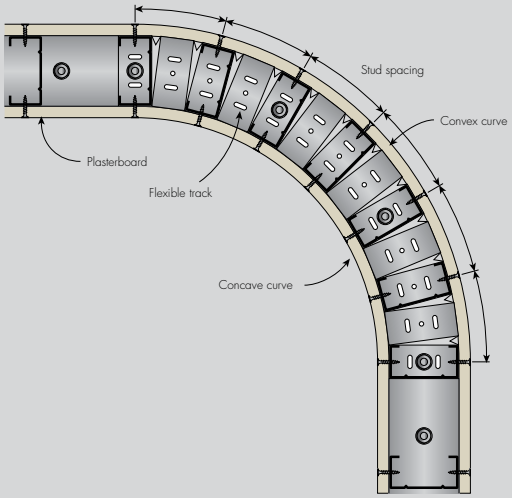
Recommendations

- Use KNAUF FLEXIBLE TRACK for framing curved walls or ceilings.
- Avoid joints parallel to studs in the curved section.
- Only the face layer needs to be jointed.
- The minimum curve radius is determined by the concave side.
- Use a minimum of two layers of CurveShield.

MAXIMUM FRAME Spacing AND MINIMUM CURVE RADIUS FOR CURVESHIELD

	Curve Radius (mm)									
	250-450	450-650	650-900	900-1000	1000-1500	1500-2000	2000-2500	2500-3000	3000-4000	> 4000
	Maximum Framing Centres (mm)									
Concave CurveShield Curved along length	–	–	200	200	200	250	300	350	450	550
Convex CurveShield Curved along length	–	200	200	200	200	250	300	350	450	550
Concave CurveShield Curved along width	–	150	150	150	200	250	300	350	450	550
Convex CurveShield Curved along width	125	150	150	150	200	250	300	350	450	550

Curved Wall Details



Suspended curved ceilings: