

TECH DATA

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 typically 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/m ²)
	6.5	1200	3600	4.5
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties. Average Specific Extinction Area of <250 m ² /kg as required by BCA Specification C1.10a, Clause 3(c) Group 1S according to NZBC performance, Clause 3.4(a)			
VOLATILE ORGANIC COMPOUNDS	Less than 0.5mg/m ³ TVOC			
HAZARDS IDENTIFICATION	Not classified as hazardous according to the criteria of NOHSC Australia			

* Weights indicated are nominal

 **CurveShield** is manufactured in accordance with quality systems certified as complying with AS/NZS ISO 9001:2008 and meets the requirements of AS/NZS 2588, *Gypsum Plasterboard*.



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

the GBCA for Materials and VOC credits and by ty NZGBC.

Warranty

Knauf's products are guaranteed by a 10 Year Warranty. For details visit

knaufplasterboard.com.au
knaufplasterboard.co.nz

Technical Advice

AU **1300 724 505**
NZ **0800 884 326.**

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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).

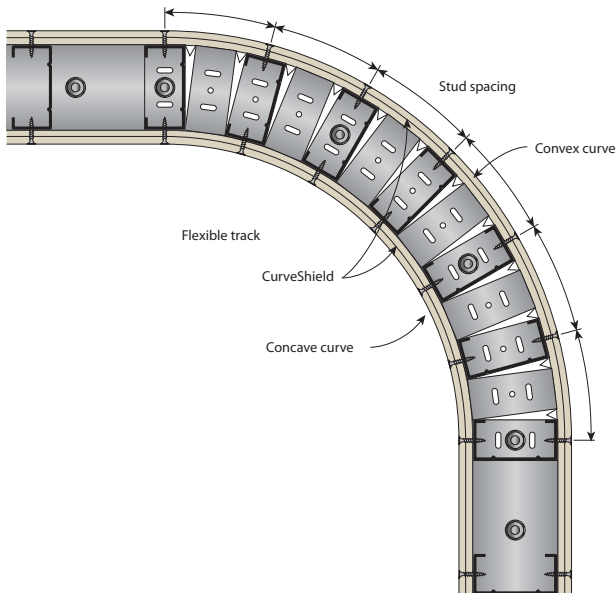
Recommendations

- A Rondo Flexi-Track and stud system is recommended 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.
- A minimum of two layers of CurveShield is recommended.

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

Non-Fire Rated Curved Wall Detail:



Non-Fire Rated suspended curved ceilings:

