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6.7 Creason Perforated Plasterboard

creason is part of Siniat's range of acoustic perforated plasterboard. **creason** offers not only great acoustic performance with beautiful aesthetics, but now also offers air cleaning properties with inbuilt CAPT'AIR® technology.

It is ideal for use in a range of internal applications where controlling the sound reverberation time is required for large open areas such as offices, shopping centres, airports, schools, hospitals, conference halls, lecture theatres and libraries. **creason** can also be installed in residential ceilings to provide noise absorption in open plan living areas and home theatres. If **creason** is to be used on walls, we recommend installing above trafficable areas.

The acoustic performance of **creason** is achieved through a combination of sound diffusion, where reflected sound is dispersed and by sound absorption, whereby sound travels through the perforation holes and acoustic fleece backing. The result is a high quality sound experience with excellent speech intelligibility. Additional optional insulation improves the sound absorption.

The **creason** range is installed like regular plasterboard.



Round R12/25 No.8

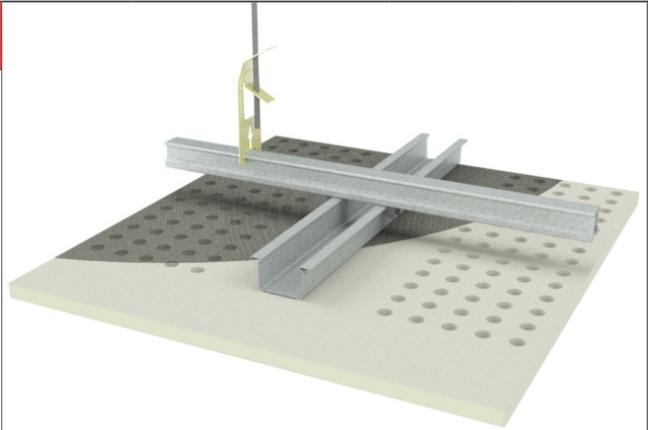
12mm diameter circles with dark backing fleece

Open Area: 10.2 %

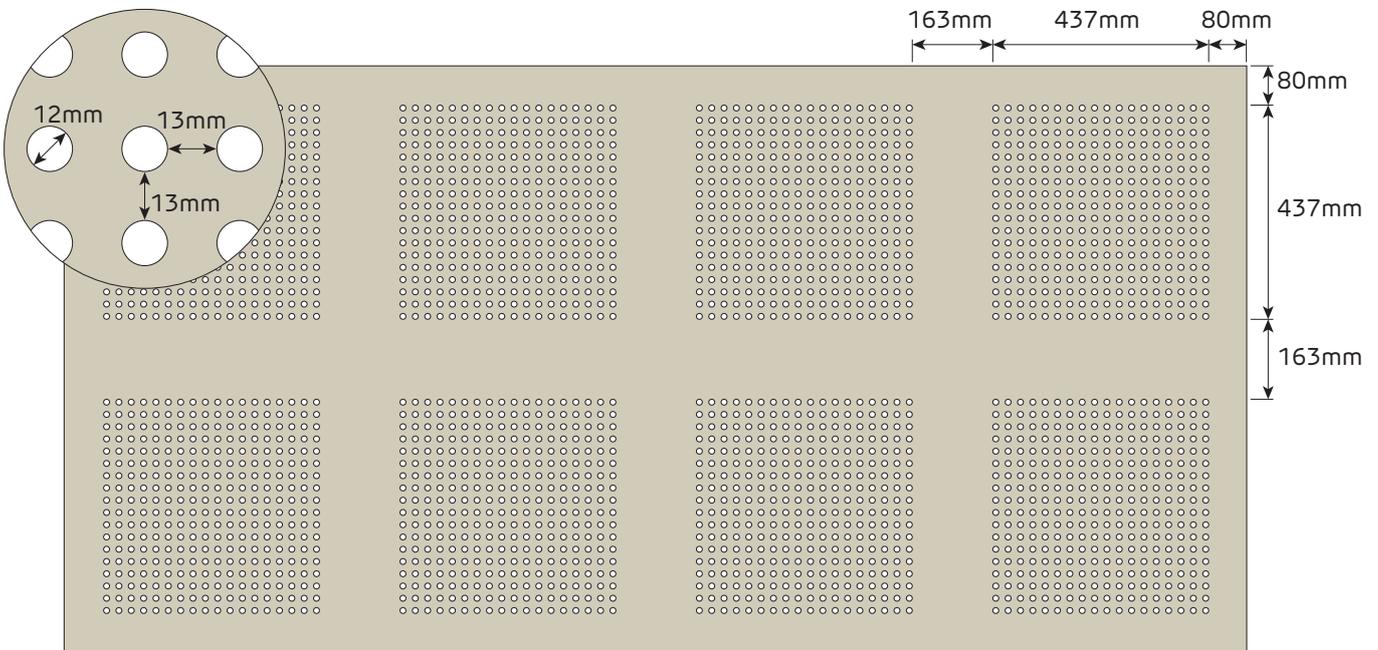
Nominal Sheet Dimensions: 12.5 x 1200 x 2400mm

Actual Sheet Dimensions: 12.5 x 1197 x 2397mm

Weight: 10 kg/m² (approximate)



	Ceiling Cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
No Insulation	187	0.4	0.7	0.65	0.55	0.45	0.4	0.5	0.6
Pink [®] Partition 75mm 14kg/m ³ R1.9	187	0.55	0.7	0.65	0.55	0.5	0.45	0.55	0.6





Cube C12/25 No.8

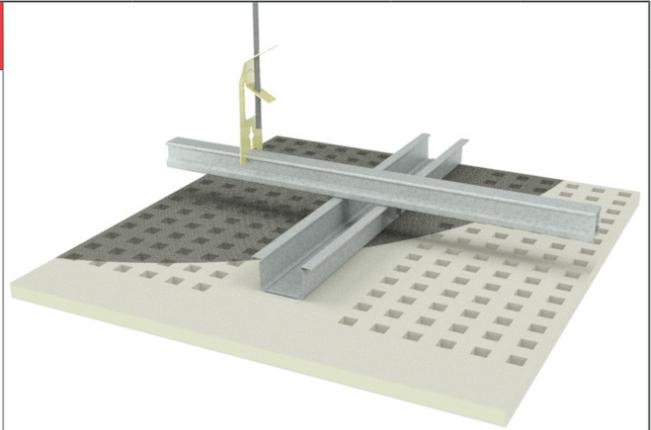
12 x 12mm squares with dark backing fleece

Open Area: 16.1 %

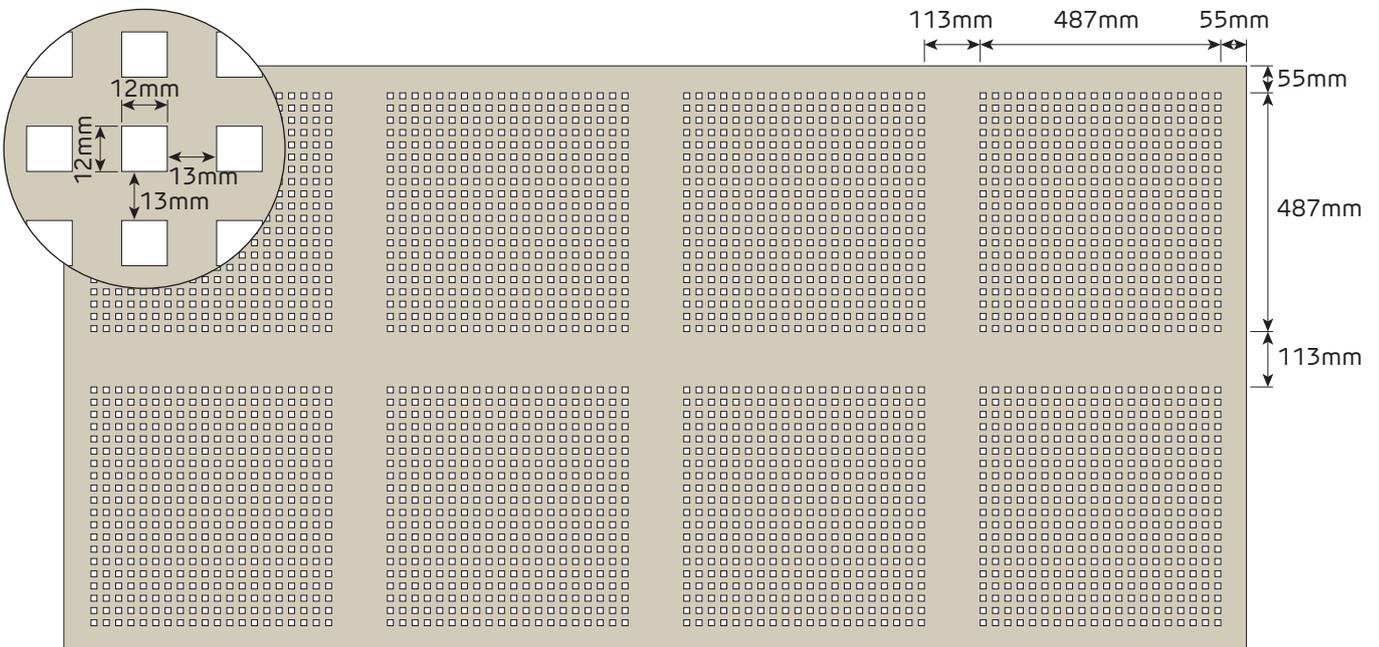
Nominal Sheet Dimensions: 12.5 x 1200 x 2400mm

Actual Sheet Dimensions: 12.5 x 1197 x 2397mm

Weight: 10 kg/m² (approximate)



	Ceiling Cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
No Insulation	47	0.15	0.45	0.75	0.8	0.6	0.45	0.6	0.65
	187	0.45	0.75	0.8	0.65	0.55	0.5	0.6	0.7
Pink® Partition 75mm 14kg/m ³ R1.9	47	0.4	0.75	0.9	0.8	0.65	0.55	0.7	0.8
	187	0.6	0.85	0.8	0.75	0.7	0.65	0.75	0.8
	587	0.7	0.75	0.8	0.7	0.6	0.6	0.7	0.7





General Requirements

Install control joints in internal plasterboard ceilings:

- > At 12m maximum intervals
- > At all movement joints in the building
- > At any change in the substrate
- > At the junction of a large room and passageway.

Separate **creason** ceilings from other building elements, such as walls and columns by creating control joints that allow for movement, e.g. utilising a shadow line profile or tear away bead.

All ceilings in this section are non-trafficable. Do not walk on plasterboard ceilings!

Limit dead loads on plasterboard ceilings to 2 kg/m² for plasterboard spanning 600mm framing centres.

Limit dead loads on plasterboard ceilings to 2.5 kg/m² for plasterboard spanning 450mm framing centres.

Attach ceiling fixtures to framing members only. Ensure the framing is designed to carry any additional load.



> **creason** must have an air cavity behind it for it to perform as a sound absorber.

> Plasterboard installations in close proximity to metal roofs (i.e. raked ceiling or with small ceiling cavities) require smaller control joint intervals or joints left unfilled as they are exposed to larger rates of thermal expansion and contraction of the roof and/or ceiling framing otherwise cracking of the ceiling and joint peaking is expected.

> Excessive vibration of the ceiling (by the installation of ceiling services, etc) is known to cause jointing cracking and joint peaking.

> Locate ceiling services so they do not cut through ceiling framing members, otherwise some degradation of the ceiling can be expected



Use the Siniat Reverberation time calculator to assist in determining how much of the ceiling and or wall area should be covered. Alternatively involve an acoustic consultant, especially for very high ceilings and unusually shaped rooms such as those with domed or sloping ceilings.

Siniat Reverberation Time Calculator



Framing

Framing members as per framing tables or structural design up to 600mm maximum. Also refer to Section 5.1 for more information on ceiling framing.

For a specific project, determine the relevant wind pressure load on an internal ceiling from Section 2.3, or the QR link below in the Span Tables section. Wind pressure loads must be considered for internal ceilings to comply with *AS/NZS 1170.2 Wind Actions* and *AS/NZS 2785 Suspended Ceilings - Design and Installation*.

Contact Siniat or a structural engineer to check ceiling for earthquake actions. Specific project information is required.

Stagger joins in adjacent Top Cross Rails and Furring Channels by 1200mm minimum.

Install additional framing members around openings.



**Non-Fire Rated
Internal Direct Fix Ceiling Frames**

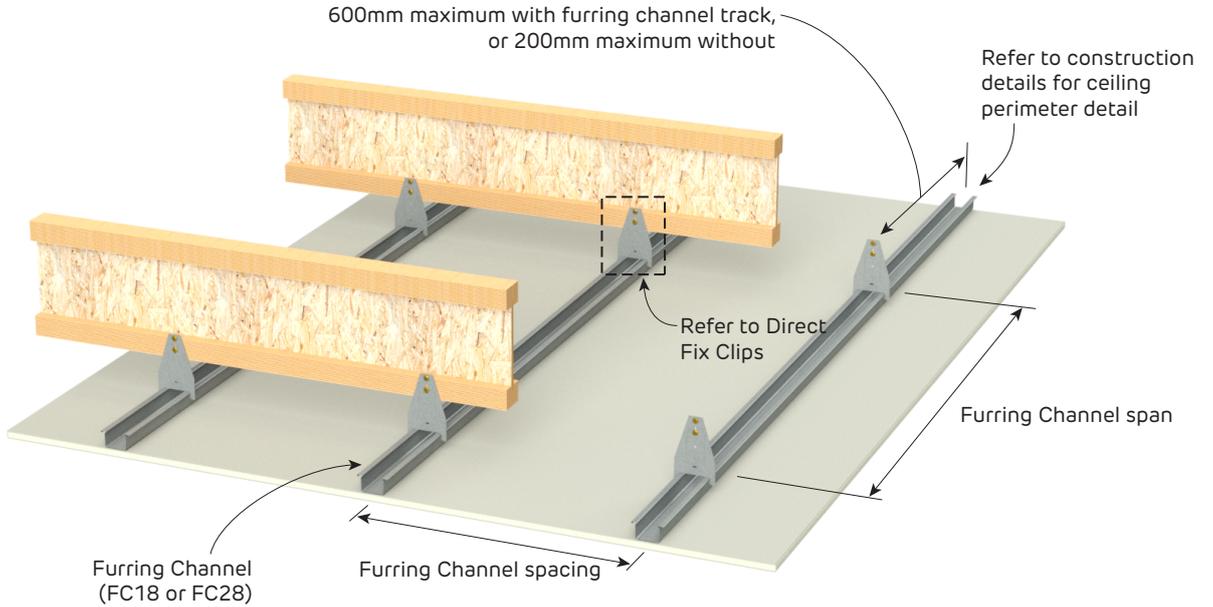


FIGURE 1 Direct Fix Furring Channel Ceiling Frame
Perspective

**Non-Fire Rated
Details for Single Span, Double Span or 3-or-More Span Ceilings**

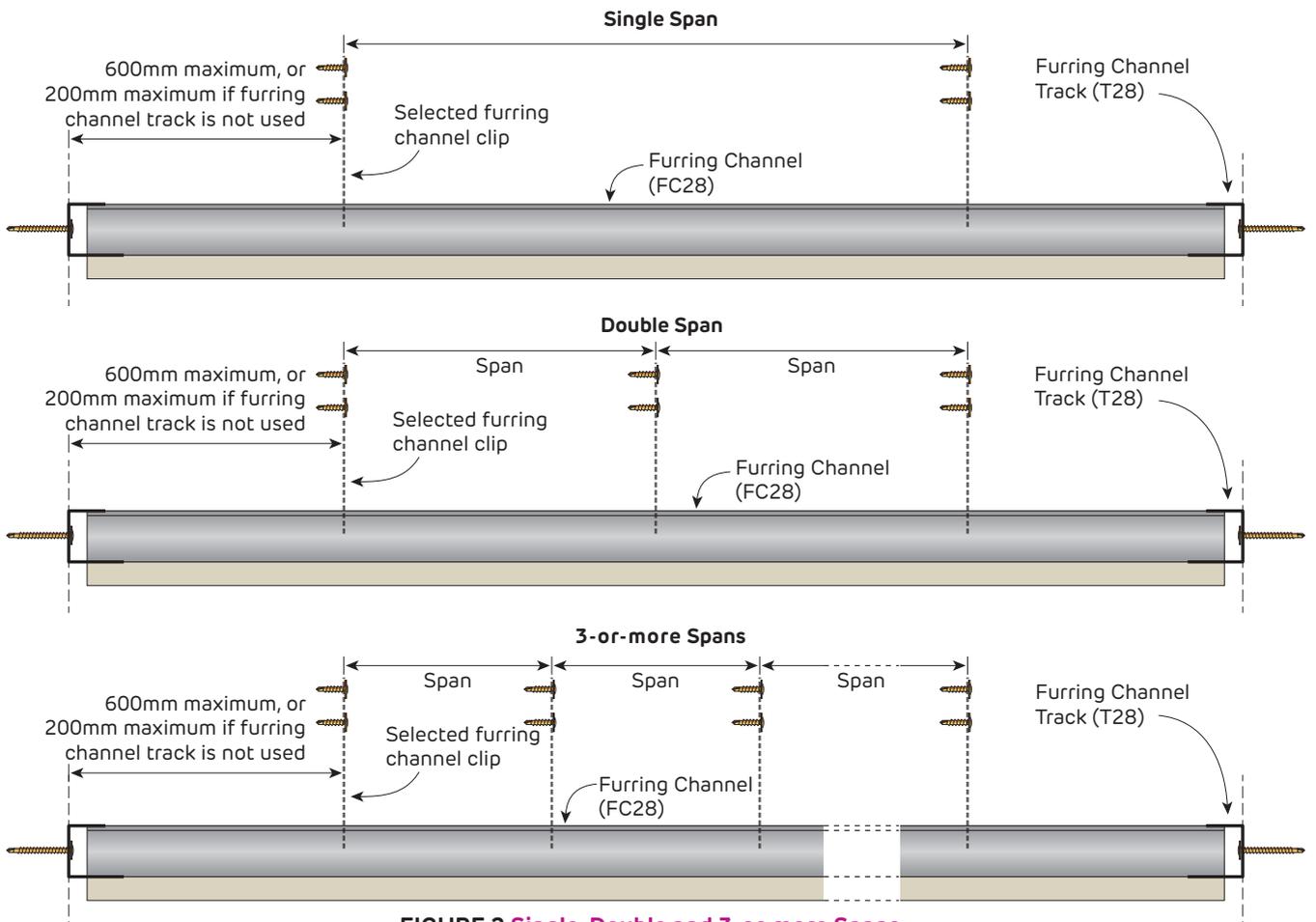


FIGURE 2 Single, Double and 3-or-more Spans
Section



Non-Fire Rated Typical Direct Fix Clips

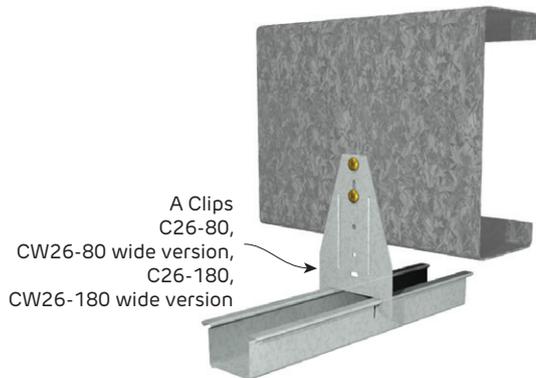


FIGURE 3 A Clip and Furring Channel
Perspective

Furring Channel Anchor Clip
C37-7H,
CW37-7H wide version,
C37-9H,
CW37-9H wide version

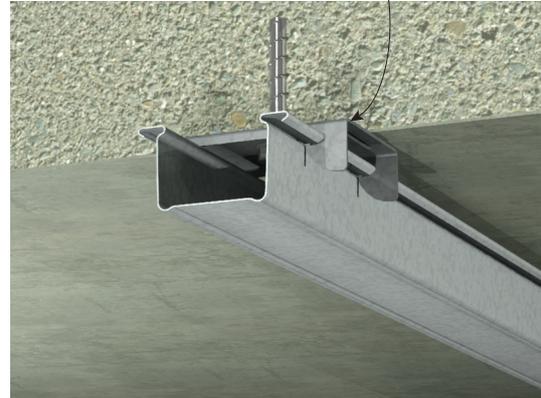


FIGURE 4 Anchor Clip and Furring Channel
Perspective

Direct fixing clips may generate noise when fixed to materials subject to daily thermal expansion and contraction

Table 1 28mm Furring Channel Ceiling Span Table - WIND REGION A

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

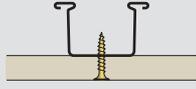
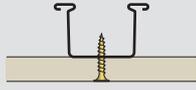
28mm Furring Channel (AFC28) Ceiling Span Table				Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.39	
						Serviceability pressure W_S (kPa)		0.25	
Ceiling Lining	Furring Channel Spacing (mm)	Single Span		Double Span		3-or-more Spans			
		Span (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)		
1 layer of 12.5mm Creason	600	1180	0.21	1580	0.72	1460	0.60		
	400	1350	0.16	1810	0.55	1670	0.46		
	300	1480	0.13	1990	0.45	1840	0.38		

Table 2 28mm Furring Channel Ceiling Span Table - WIND REGION A

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

28mm Furring Channel (AFC28) Ceiling Span Table				Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.46	
						Serviceability pressure W_S (kPa)		0.3	
Ceiling Lining	Furring Channel Spacing (mm)	Single Span		Double Span		3-or-more Spans			
		Span (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)		
1 layer of 12.5mm Creason	600	1110	0.22	1490	0.75	1370	0.63		
	400	1270	0.17	1700	0.57	1570	0.48		
	300	1400	0.14	1870	0.47	1730	0.40		

**Table 3 28mm Furring Channel Ceiling Span Table - WIND REGION B**

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

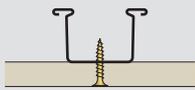
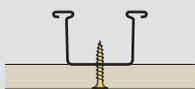
28mm Furring Channel (AFC28) Ceiling Span Table				Up to BCA Building Importance Level 3	Ultimate pressure W_U (kPa)	0.59	
					Serviceability pressure W_S (kPa)	0.25	
Ceiling Lining	Furring Channel Spacing (mm)	Single Span		Double Span		3-or-more Spans	
		Span (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)
1 layer of 12.5mm Creason	600	1130	0.27	1410	0.85	1410	0.78
	400	1350	0.22	1730	0.70	1670	0.61
	300	1480	0.18	1990	0.60	1840	0.51

Table 4 28mm Furring Channel Ceiling Span Table - WIND REGION B

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

28mm Furring Channel (AFC28) Ceiling Span Table				Up to BCA Building Importance Level 3	Ultimate pressure W_U (kPa)	0.71	
					Serviceability pressure W_S (kPa)	0.3	
Ceiling Lining	Furring Channel Spacing (mm)	Single Span		Double Span		3-or-more Spans	
		Span (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)	Spans (mm)	Connection Demand (kN)
1 layer of 12.5mm Creason	600	1050	0.29	1310	0.91	1310	0.83
	400	1270	0.23	1610	0.74	1570	0.66
	300	1400	0.19	1860	0.64	1730	0.55

1. Tables based upon downward (suction) and upward (uplift) pressures, intended for internal use only.
2. Tables includes self weight and 1 kg/m² insulation weight with an additional 3 kg/m² service load. No further allowance for additional point loads or live loads.
3. Contact Siniat or a structural engineer to check ceiling for earthquake actions. Specific project information is required.
4. Tables refer to Siniat Furring Channel of Base Metal Thickness (BMT) 0.42mm of grade G550 steel with Zinalume™ AM150 corrosion protection. Maximum production lengths available are 6.0m
5. Designed in accordance with AS/NZS 4600:2018 Cold Formed Steel Structures and AS/NZS 2785:2020 Suspended Ceilings - Design and Installation.
6. Wind pressures determined in accordance with AS/NZS 1170.2 Wind Actions.
7. Connections to clips must be checked with the *Clip Capacity Table*.
8. Ultimate Limit State Load Case 1: 1.2G + W_U (Suction) + $Q_{0.03kPa}$ Service Load
Ultimate Limit State Load Case 2: 0.9G + W_U (Uplift).
9. Serviceability Limit State Load Case 1: G, with deflection limited to Span/500.
Serviceability Limit State Load Case 2: W_s , with deflection limited to Span/360.
10. Perimeter anchors at 600mm maximum centres and 100mm maximum from track ends with minimum 0.7 kN shear capacity.
11. The nominated lateral pressures and deflection limits must be checked for suitability for a specific project.
12. For BCA Building Importance Level 4, please contact Siniat.

Siniat Internal Wind Load Calculator



**Non-Fire Rated
Internal Suspended Ceiling Frames**

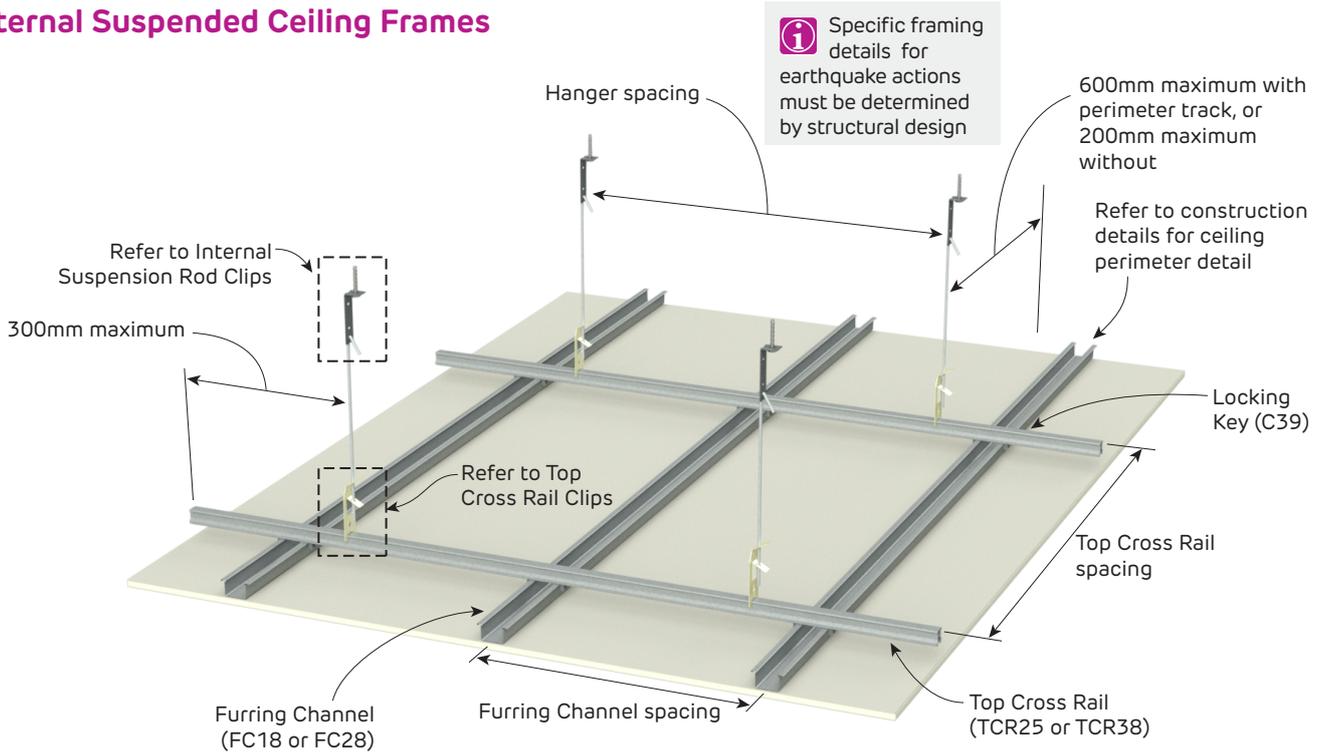


FIGURE 5 Suspended Ceiling Frame
Perspective

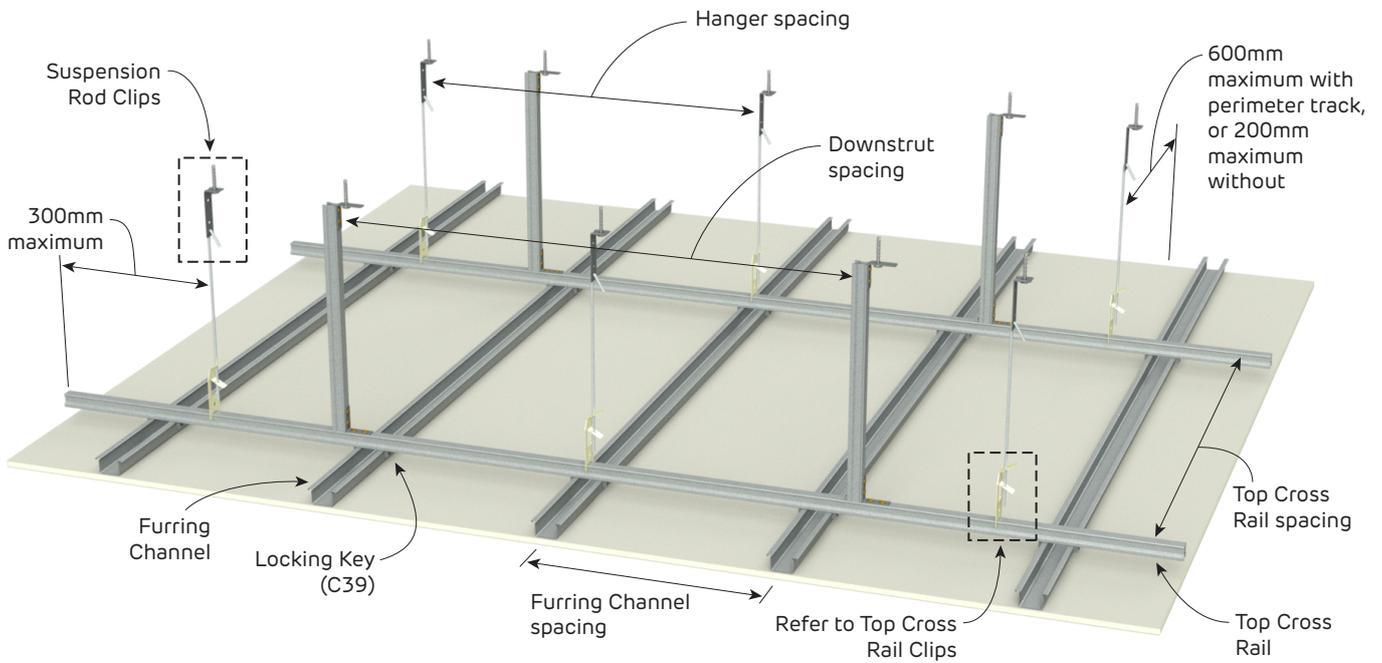


FIGURE 6 Suspended Ceiling Frame with Downstruts
Perspective

Non-Fire Rated Typical Suspension Rod Clips



FIGURE 7 Spring Adjustable Direct Fix Clip to Concrete
Perspective

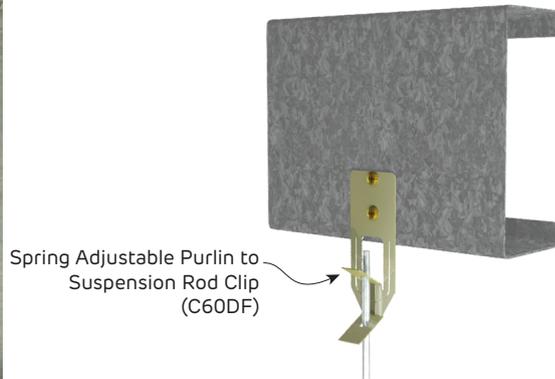


FIGURE 8 Spring Adjustable Direct Fix Clip to Purlin
Perspective

Typical Top Cross Rail Clips

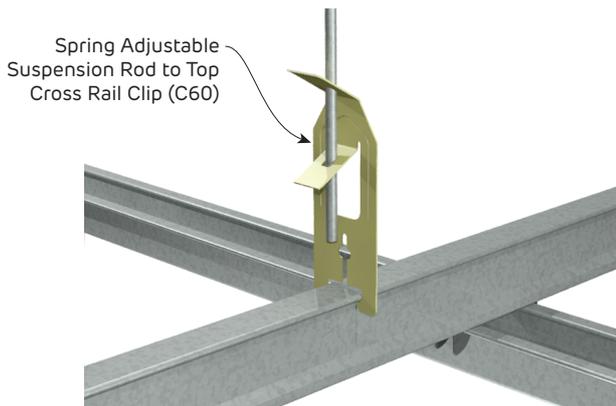


FIGURE 9 Spring Adjustable Suspension Rod to TCR Clip
Perspective and Sections

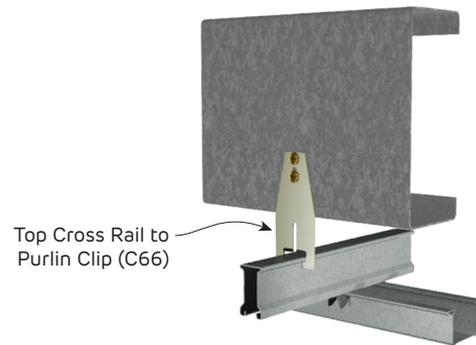


FIGURE 10 Top Cross Rail Direct Fix Clip to Purlin
Perspective and Sections

Locking Key

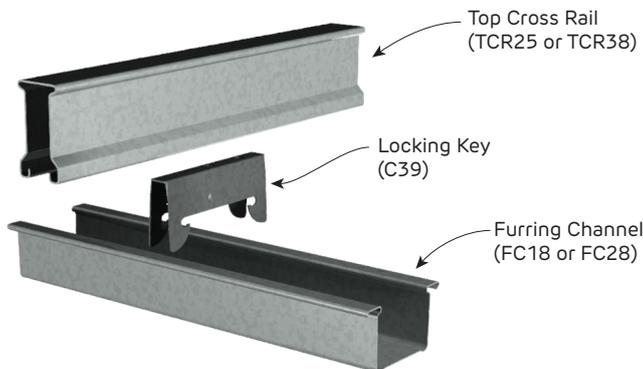


FIGURE 11 Locking Key
Perspective


Table 5 25mm Top Cross Rail Ceiling Span Table - WIND REGION A

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

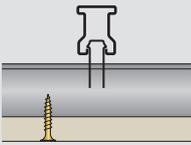
25mm Top Cross Rail Span Suspended Ceiling Table				Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.39	
						Serviceability pressure W_S (kPa)		0.25	
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Demand (kN)
1 layer of 12.5mm Creason	600	900	1040	0.42	970	0.99	1050	0.98	
		1050	990	0.47	900	1.07	970	1.05	
		1200	950	0.52	840	1.14	910	1.13	
	400	900	1040	0.42	1040	1.06	1120	1.04	
		1050	990	0.47	960	1.14	1040	1.13	
		1200	900	0.52	900	1.22	970	1.20	

Table 6 38mm Top Cross Rail Ceiling Span Table - WIND REGION A

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

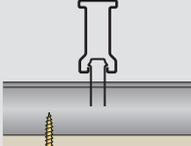
38mm Top Cross Rail Span Suspended Ceiling Table				Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.39	
						Serviceability pressure W_S (kPa)		0.25	
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Demand (kN)
1 layer of 12.5mm Creason	600	1050	1410	0.67	107	1.27	115	1.25	
		1200	1350	0.73	100	1.36	108	1.34	
		1350	1300	0.79	940	1.44	102	1.43	
	400	1050	1410	0.67	1150	1.37	1240	1.35	
		1200	1350	0.73	1080	1.47	1160	1.44	
		1350	1300	0.79	1010	1.54	1100	1.54	

Table 7 38mm Top Cross Rail Ceiling Span Table - WIND REGION A

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

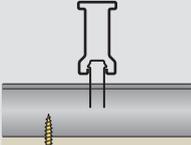
38mm Top Cross Rail Span Suspended Ceiling Table				Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.46	
						Serviceability pressure W_S (kPa)		0.3	
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Demand (kN)
1 layer of 12.5mm Creason	600	900	1360	0.72	1010	1.34	1090	1.32	
		1050	1300	0.79	940	1.42	1020	1.41	
		1200	1250	0.85	890	1.52	960	1.50	
	400	1050	1360	0.72	1090	1.45	1180	1.43	
		1200	1300	0.79	1020	1.55	1100	1.52	
		1350	1250	0.85	960	1.64	1040	1.62	



Table 8 25mm Top Cross Rail Ceiling Span Table - WIND REGION B

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

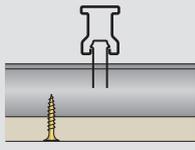
25mm Top Cross Rail Span Suspended Ceiling Table					Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.59
							Serviceability pressure W_S (kPa)		0.25
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	
1 layer of 12.5mm Creason	600	750	1110	0.50	920	1.04	1000	1.03	
		900	1040	0.56	840	1.14	910	1.13	
		1050	960	0.61	780	1.23	840	1.22	
	400	900	1040	0.56	900	1.22	970	1.20	
		1050	960	0.61	830	1.31	900	1.30	
		1200	900	0.65	780	1.41	840	1.39	

Table 9 38mm Top Cross Rail Ceiling Span Table - WIND REGION B

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

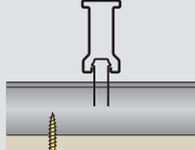
38mm Top Cross Rail Span Suspended Ceiling Table					Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.59
							Serviceability pressure W_S (kPa)		0.25
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	
1 layer of 12.5mm Creason	600	900	1380	0.75	1000	1.36	1080	1.34	
		1050	1290	0.82	920	1.46	1000	1.45	
		1200	1220	0.88	860	1.55	930	1.54	
	400	900	1380	0.75	1080	1.46	1160	1.44	
		1050	1290	0.82	1000	1.58	1080	1.56	
		1200	1220	0.88	930	1.68	1010	1.67	

Table 10 38mm Top Cross Rail Ceiling Span Table - WIND REGION B

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

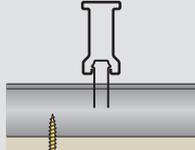
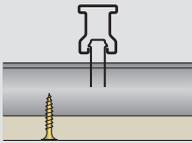
38mm Top Cross Rail Span Suspended Ceiling Table					Up to BCA Building Importance Level 3		Ultimate pressure W_U (kPa)		0.71
							Serviceability pressure W_S (kPa)		0.3
Ceiling Lining	28mm Furring Channel Spacing (mm)	Top Cross Rail Spacing (mm)	Single Span		Double Span		3-or-more Spans		
			Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	Hanger Spacing (mm)	Hanger Demand (kN)	
1 layer of 12.5mm Creason	600	900	1300	0.81	930	1.45	1000	1.43	
		1050	1220	0.89	860	1.56	930	1.55	
		1200	1150	0.96	800	1.66	870	1.65	
	400	900	1300	0.81	1000	1.56	1090	1.55	
		1050	1220	0.89	930	1.69	1000	1.66	
		1200	1150	0.96	840	1.75	920	1.75	



Table 11 Downstrut Table - WIND REGION A

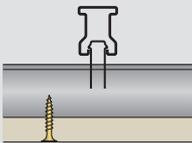
Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

Downstrut Interval Table (along Top Cross Rail) Suspended ceiling lined with Createx and 28mm Furring channels (AFC28) at 400mm maximum spacing					Up to BCA Building Importance Level 3
Ultimate Wind Pressure W_U (kPa)	Serviceability Wind Pressure W_S (kPa)	Top Cross Rail	Top Cross Rail Spacing (mm)	Double Span	3 or more Spans
				Maximum Downstrut Intervals (mm)	Maximum Downstrut Intervals (mm)
0.39	0.25	TCR25	900	1570	1670
			1050	1470	1570
			1200	1400	1490
		TCR38	900	1960	2070
			1050	1860	1960
			1200	1780	1870
0.47	0.3	TCR25	900	1430	1530
			1050	1340	1430
			1200	1260	1350
		TCR38	900	1820	1920
			1050	1720	1780
			1200	1630	1670

- Downstruts must be installed for TCR suspended ceilings in all buildings except air-conditioned hospitals, offices and shopping centres that are effectively sealed where the external walls have non-opening windows.

Table 12 Downstrut Table - WIND REGION B

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

Downstrut Interval Table (along Top Cross Rail) Suspended ceiling lined with Createx and 28mm Furring channels (AFC28) at 400mm maximum spacing					Up to BCA Building Importance Level 3
Ultimate Wind Pressure W_U (kPa)	Serviceability Wind Pressure W_S (kPa)	Top Cross Rail	Top Cross Rail Spacing (mm)	Double Span	3 or more Spans
				Maximum Downstrut Intervals (mm)	Maximum Downstrut Intervals (mm)
0.59	0.25	TCR25	900	1280	1360
			1050	1190	1280
			1200	1120	1200
		TCR38	900	1650	1690
			1050	1550	1560
			1200	1470	1460
0.71	0.3	TCR25	900	1160	1100
			1050	1090	1160
			1200	1020	1100
		TCR38	900	1520	1520
			1050	1410	1400
			1200	1230	1310

- Downstruts must be installed for TCR suspended ceilings in all buildings except air-conditioned hospitals, offices and shopping centres that are effectively sealed where the external walls have non-opening windows.

Access Panel

Mark out the opening in the creason perforated plasterboard using the chameleon access panel frame. Carefully cut-out the creason piece and insert into the chameleon access panel.

If any furring channel is cut, reinforce the opening with extra furring channel. Refer to Figure 14 and 15.

Leave a 30mm to 50mm area around the perimeter of the opening to allow for the access panel frame. Refer to Figure 13.

Fix the creason sheet to the access panel's aluminium frame as shown in Figure 13.

Non-Fire Rated

Creason Ceiling Access Panel

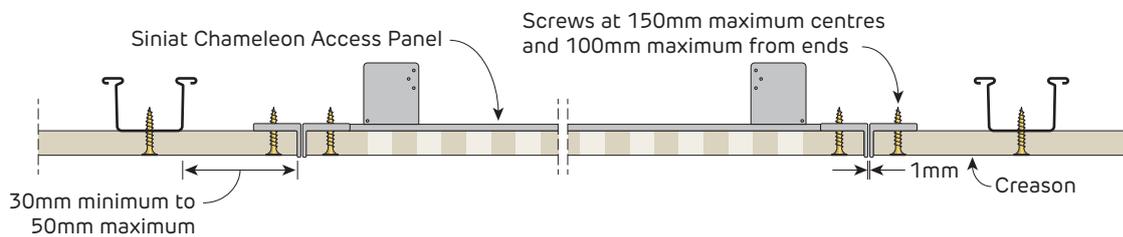


FIGURE 13 Siniat Chameleon Access Panel
Section

Table 11 Access Panel Compatibility

Creason Pattern	Access Panel Compatibility
Round R12/25 No.8	Yes - minimum 450x450mm
Cube C12/25 No.8	Yes - minimum 500x500mm

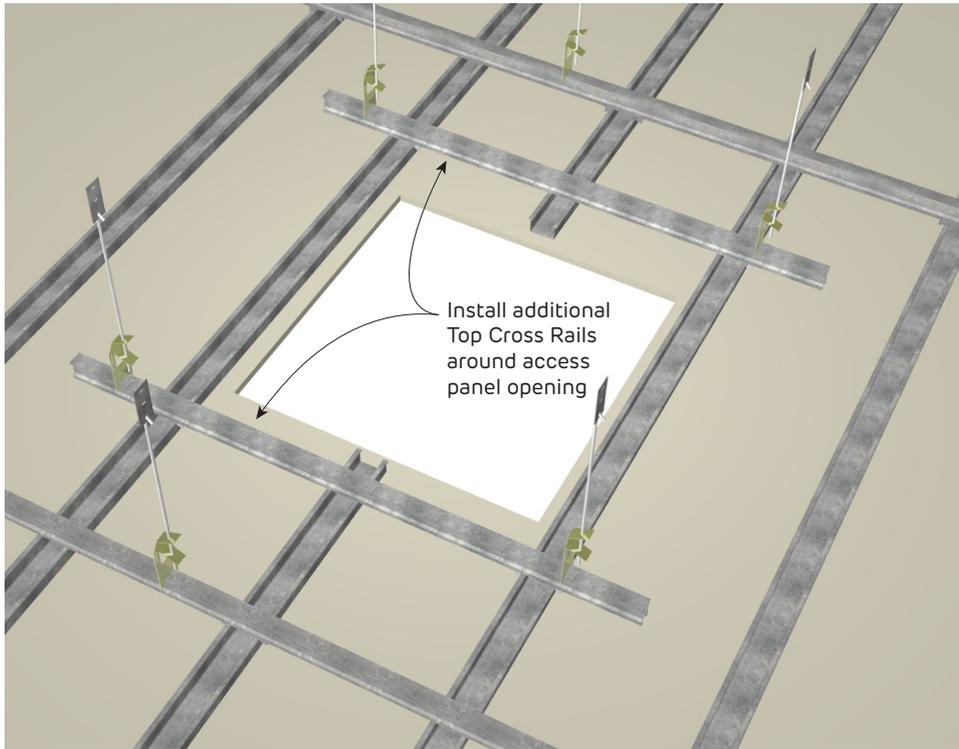


FIGURE 14 Creason Access Panel Framing
Perspective



FIGURE 15 Creason Access Panel Framing
Perspective



Layout

Plan the ceiling layout to suit the creason sheet size in order to minimise the number of joints and create symmetrical patterns.
Start sheeting from the centre of the room.
Install creason ceilings perpendicular to framing members.
Chamfer butt joints and cut edges in preparation for jointing.
Fix butt joints on Wide-face Furring Channel (FC60/28).
Install one entire row in each direction before proceeding. Refer to Figure 16.

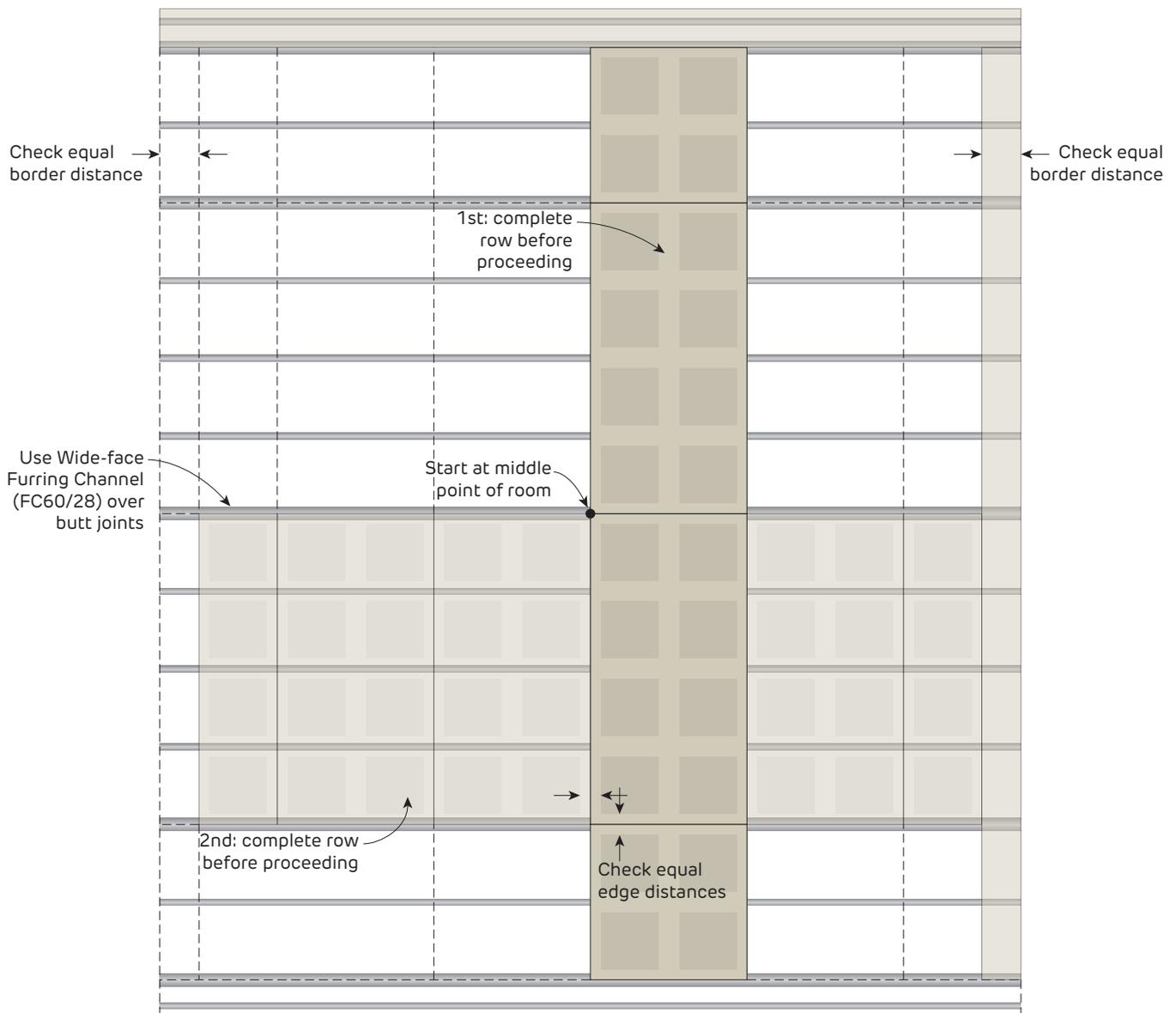


FIGURE 16 Ceiling Layout Plan

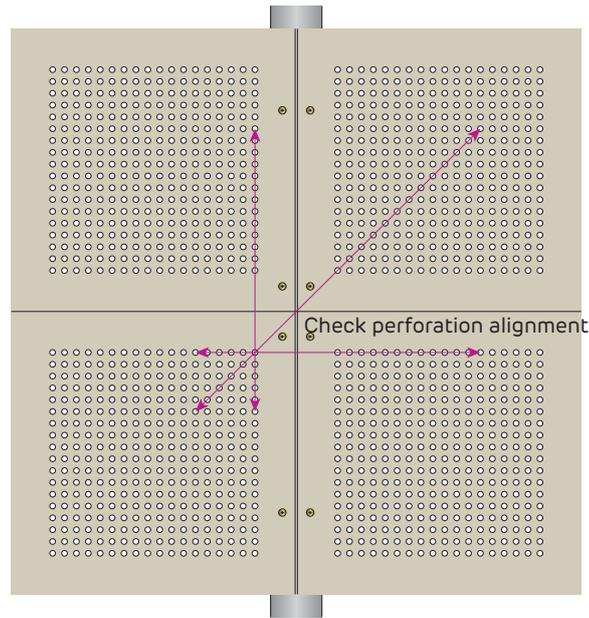


FIGURE 17 Perforation Alignment
Plan



Fixing

Use the 'Screw Only Method'. Adhesive is not permitted.

Drive screws to just below the sheet surface, taking care not to break the paper linerboard. For over-driven screws, install another screw 20mm away. Leave or remove the over-driven screw and patch.

Screw Type and Minimum Size for the Installation of Plasterboard to Steel

Plasterboard Thickness	1st Layer
12.5mm	6g x 25mm screw

For steel ≤ 0.75 mm BMT, use fine thread needle point screws.

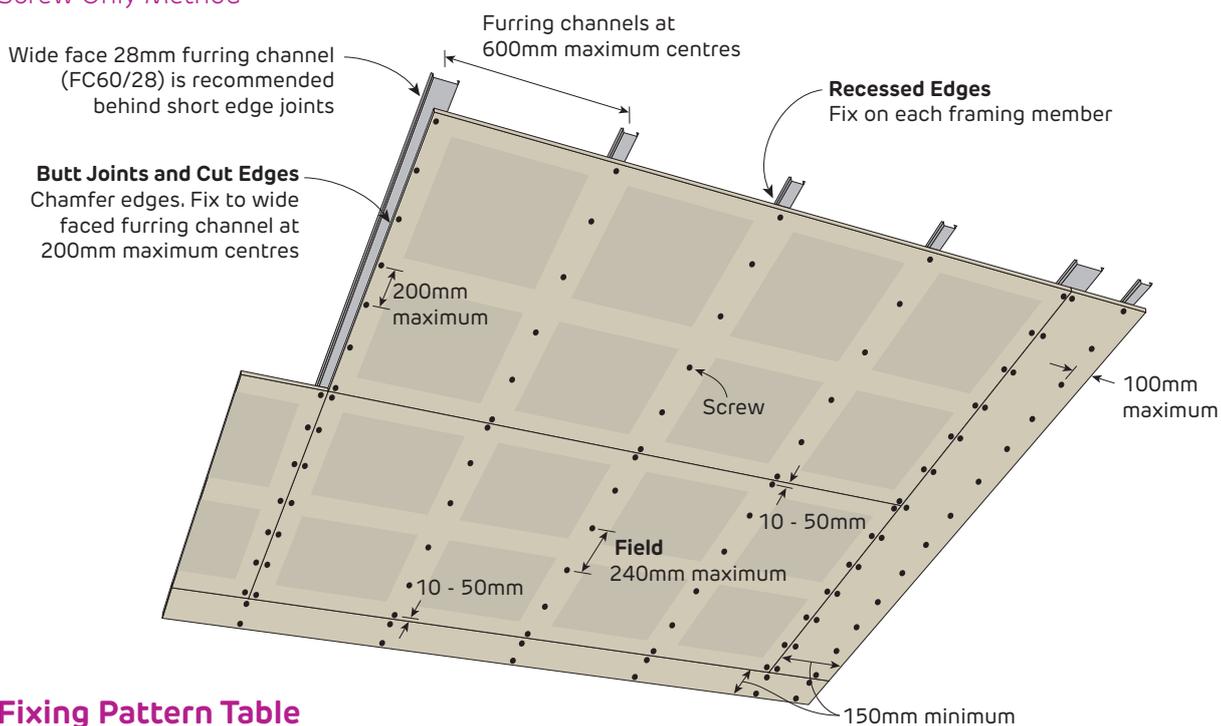
For steel ≥ 0.75 mm BMT, use fine thread drill point screws.

Fastener Type and Minimum Size for the Installation of Plasterboard to Softwood Timber

Plasterboard Thickness	1st Layer
12.5mm	6g x 32mm screw

FIGURE 18 Creason Internal Ceiling - 1 Layer

Screw Only Method



Fixing Pattern Table

Sheet Width	Location	Screw Fixing Pattern
1200mm	Field	S S S S S S (6)
	Short edges (butt joints)	S S S S S S S (7)

S = One screw

Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Ceiling Frame Spacing		
	600mm	400mm	300mm
12.5mm	1.00	1.55	2.10

- Calculations do not include the framing which must be independently designed to suit the desired load.
- Calculations include a ceiling insulation with maximum weight of 1.05 kg/m² (equivalent to Pink® Partition 75mm 14kg/m³ R1.9 Batts).
- Calculated over 3-or-more spans.
- If higher internal wind pressures are expected, please contact Siniat for specific design.

Curving

Apply water on the front face with a roller and leave for 30 minutes.
Lay the sheet over a template. Secure the panel on one side of the template.
Press the sheet against the template using a batten, moving it every 100mm. Secure the panel on the other side of the template. Drying time approximately 2 hours.

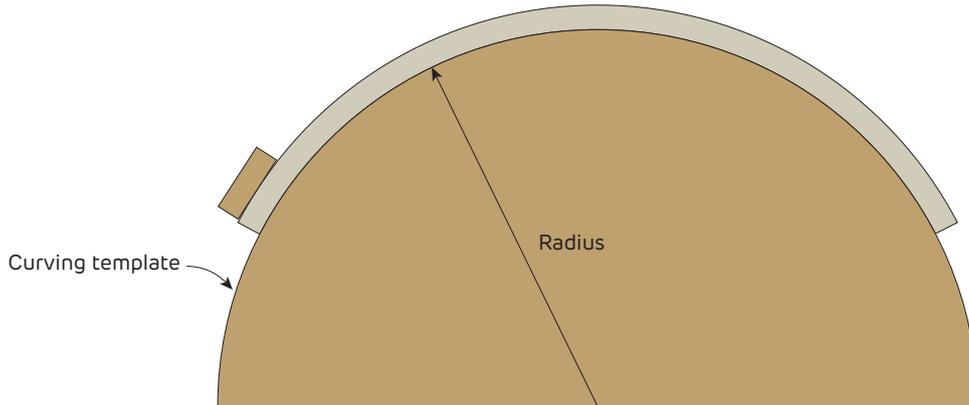


FIGURE 19 Curving Template
Section

Table 13 Maximum Frame Spacing and Minimum Curve Radius for Creason

Creason	Curve Radius (mm)		
	2000	2500	3000
	Maximum Framing Centres (mm)		
Concave - curved along length	300	300	400
Convex - curved along length	300	300	400
Concave - curved along width	-	300	400
Convex - curved along width	-	-	400



Finishing

Jointing

Jointing must not be conducted until all ceiling services and access panels are installed in the ceiling, otherwise the excessive vibration may cause joint cracking or peaking.
Dampen chamfered edges with water to remove any loose gypsum before applying jointing compounds.
Use paper tape and 2 coats of mastabase , mastalongset or mastatape-in and a finish coat of mastaglide , mastaline or mastalite . For more information refer to Section 7.3.
Do not obstruct perforations during jointing.

Sanding

Sanding is a critical part of achieving a high quality finish. Care should be taken when sanding joints to achieve a smooth surface.
Lightly sand to a smooth even surface using 150 to 220 grit sandpaper or sanding mesh. Do not expose or scuff the paper linerboard while sanding.

Painting

A three coat paint system must be applied in accordance with Australian Standard <i>AS/NZS 2311, Guide to the painting of buildings</i> . Both the quality of the paint and how it is applied have a large effect on the finished appearance of the creason plasterboard.
Apply the paint with a short napped roller and avoid the application of excess paint at any time.

-  > Only use a roller application for painting. Roller application applies a uniform texture over the entire surface and ensures the paint does not fill the perforations or contact the acoustic felt on the back of the plasterboard.
- > Spray painting is not permitted.
- > For more information on finishing plasterboard refer to Section 7.



**Non-Fire Rated
Creason Details**

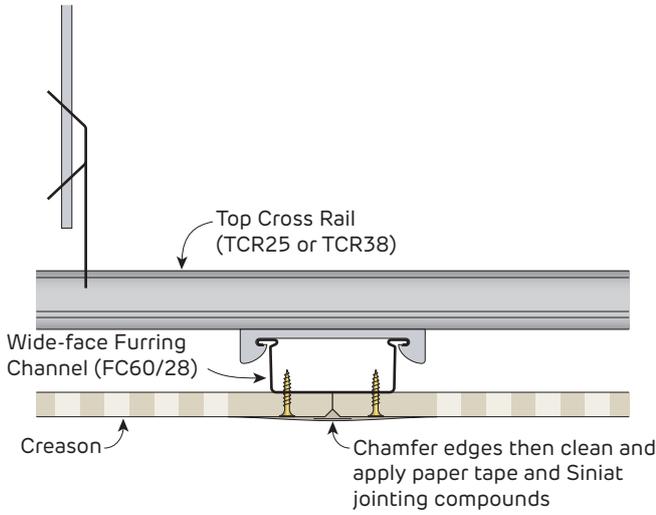


FIGURE 20 Butt Joints
Section

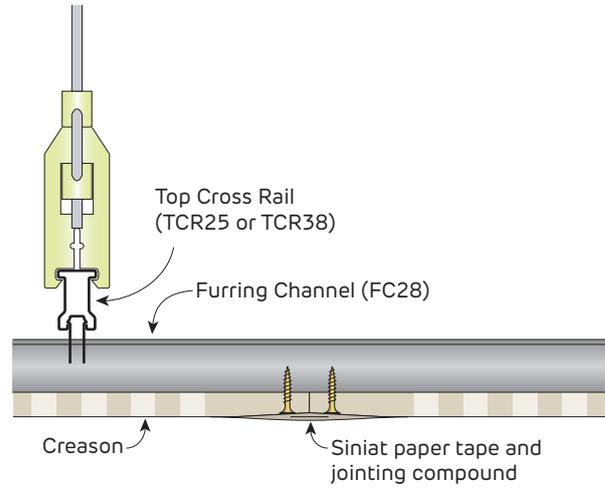


FIGURE 21 Recessed Joints
Section

Control Joints

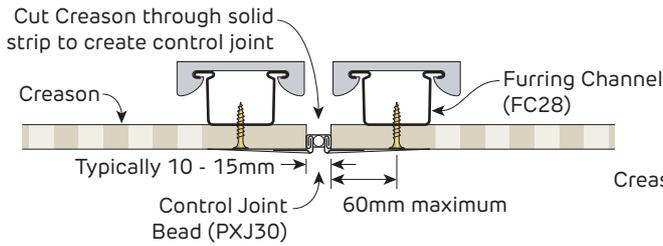


FIGURE 22 Control Joint
Parallel to furring channel
Section

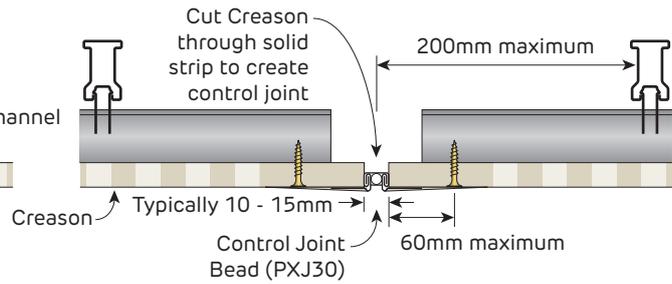


FIGURE 23 Control Joint
Perpendicular to furring channel
Section



Non-Fire Rated
Ceiling Perimeter Finishing Details

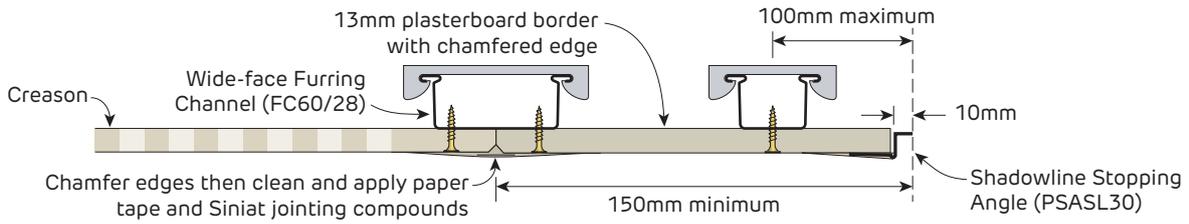


FIGURE 24 Finishing Detail - Shadowline
Section

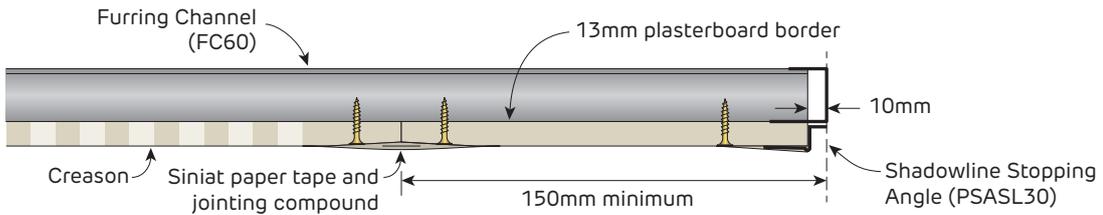


FIGURE 25 Finishing Detail - Shadowline
Section

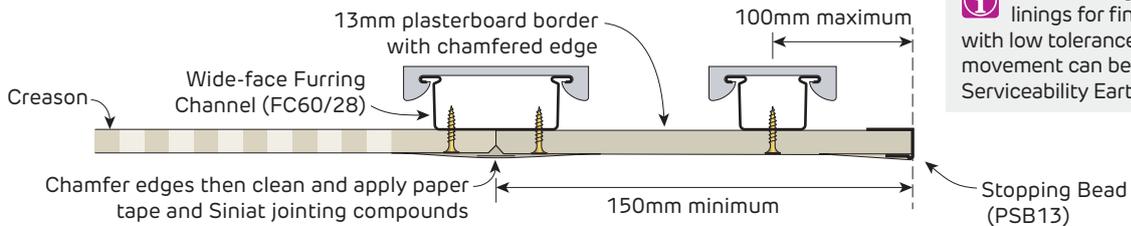


FIGURE 26 Finishing Detail - Stopping Bead
Section

i Some damage to ceiling linings for finishing details with low tolerance to movement can be expected in a Serviceability Earthquake event

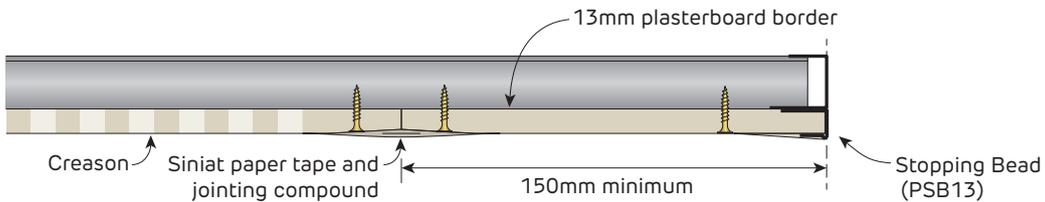


FIGURE 27 Finishing Detail - Stopping Bead
Section

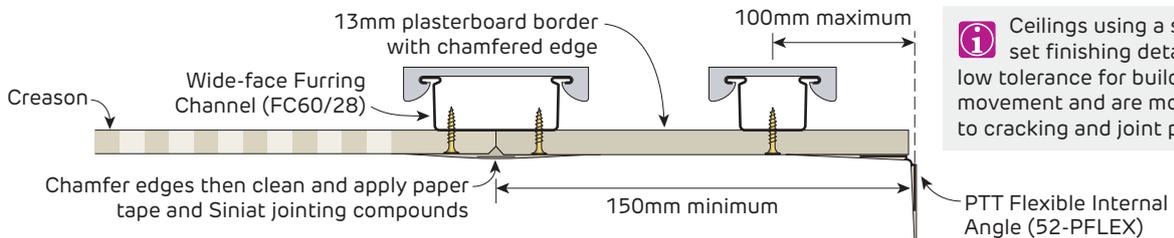


FIGURE 28 Finishing Detail - Flexible Square Set
Section

i Ceilings using a square set finishing detail have low tolerance for building movement and are more prone to cracking and joint peaking

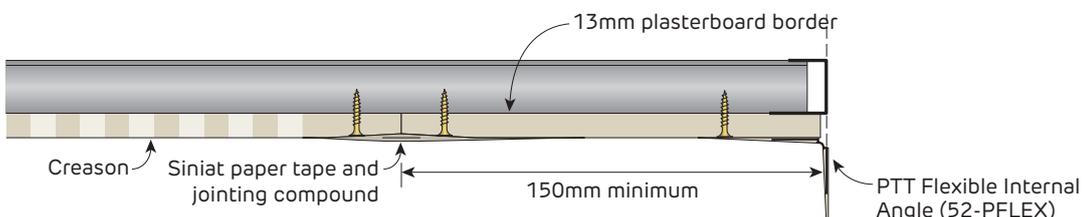


FIGURE 29 Finishing Detail - Flexible Square Set
Section