



createx[®]
creason[®]

acoustic wall and
ceiling solutions

Disclaimer

Products manufactured and systems designed by Etex Australia Pty Ltd and branded Siniat, are produced in accordance with the Building Code of Australia and relevant Australian Standards. Information in this document is to be used as a guide only and is subject to project approval as many aspects of construction are not comprehensively covered. It is also the responsibility of the project to determine if our products and systems are suitable for the intended application and they meet the relevant building code and project requirements. Etex Australia Pty Ltd will not be held responsible for any claims resulting from the installation of its products or other associated products not in accordance with the recommendations of the manufacturer's technical literature or relevant Australian Standards, or for situations not covered by our certification reports.

Siniat technical information is regularly updated. To ensure this document is current with the latest information, visit:

www.siniat.com.au

or contact Siniat's Customer Service Centre on

1300 724 505

Warranty

Siniat products are covered by a comprehensive warranty.

Visit

www.siniat.com.au/warranty

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about us

Siniat is one of the Etex Group's flagship commercial brands, and one of the leading global manufacturers of interior and exterior materials for drywall construction.

In Australia, Etex has Siniat manufacturing facilities located in Sydney, Melbourne, Bundaberg and Brisbane. Etex supplies Siniat branded plasterboard, compounds, cornice, steel profiles and associated products and systems to the Australian building industry through its national distribution network.

Siniat's comprehensive range of quality wall and ceiling lining products are developed with specific characteristics to enhance performance and provide fire, water, acoustic and decorative solutions to all construction projects.

The Siniat team is committed to providing excellent technical service and sales support to help with innovative solutions for your next project.

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introduction

We spend 90% of our time indoors, so we should focus on making it healthy and comfortable to be inside.

Siniat introduces **createx** and **creason** - our range of specialty acoustic plasterboard for residential and commercial applications that improve acoustic comfort while purifying the air.

createx and **creason** perforated plasterboard combine striking creative design with CAPT'AIR® clean air technology and superior sound absorption.

By including **createx** and **creason** in your project you can improve the acoustic comfort of any interior space, while improving the air quality. The new CAPT'AIR® clean air technology removes up to 80% of formaldehyde from the indoor air, making it safer and easier to breathe indoors.

createx and **creason** are trusted by professionals worldwide to improve the wellbeing of occupants in hotels, hospitals, airports, gyms, schools, and residential developments.

introducing CAPT'AIR®



improved indoor air quality — healthier spaces

Introducing Siniat CAPT'AIR®.

CAPT'AIR® technology was developed after 4 years of intensive technical research by our research partners in Europe.

CAPT'AIR® technology has been added to our **createx** and **creason** perforated board range and actively works to capture formaldehyde, improving the air quality within buildings.

Once installed, the CAPT'AIR® technology in **createx** and **creason** boards actively works to decompose formaldehyde emissions found in the air.

A polymer inside the board reacts with harmful formaldehyde to create a safe compound that is absorbed back into the board, resulting in a safer environment in any interior space that it is installed.

what is formaldehyde?

Formaldehyde is a volatile organic compound (VOC) that is commonly found in work and living spaces. This pollutant is known to increase health risks and impact our general wellbeing.

Due to its presence in manufactured wood products, fabrics and household products such as glues, paints cosmetics and detergents, formaldehyde is the most common volatile organic compound found in indoor spaces.

short-term health issues of VOCs:

- Headaches
- Nausea
- Eye irritation
- Coughing

long-term health issues of VOCs:

- Fatigue
- Respiratory issues
- Dizziness



createx®

createx provides excellent sound absorption properties for superior acoustic comfort.

Suitable for both wall and ceilings, the continuous perforations in createx create a seamless appearance.

The V-edge makes easy application possible. Together with Siniat Wide Face Furring Channel and matching clips, createx comes as a complete Siniat system.

Siniat mastatape-in is the approved jointing compound for the installation of createx.

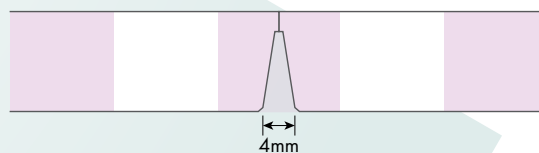
The built-in air purifying CAPT'AIR® technology improves indoor air quality, resulting in a comfortable and healthy environment.

createx is available in five perforation patterns:

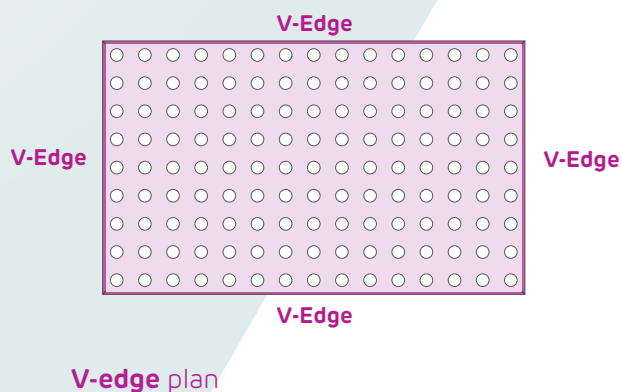
- round R8/18
- round R12/25
- cube C12/25
- dynamic D8-12
- space S8-15-20

When installed in accordance with blueprint, the createx system qualifies for the Siniat Warranty that covers not only the individual products but the whole system.

For more information download the Technical Data Sheet from siniat.com.au



V-edge section



V-edge plan

design	perforation pattern	perforation ratio (%)	absorption (α_w / NRC)	board dimensions		edge type
				width (mm)	length (mm)	V edge on 4 sides
standard perforation patterns						
round	R8/18	14.3	0.7 - 0.85	1200	1988	•
round	R12/25	18.2	0.7 - 0.85		2000	•
cube	C12/25	23.1	0.75 - 0.9		2000	•
dynamic	D8-12	13.1	0.35 - 0.8		2000	•
space	S8-15-20	10.2	0.5 - 0.65		1950	•

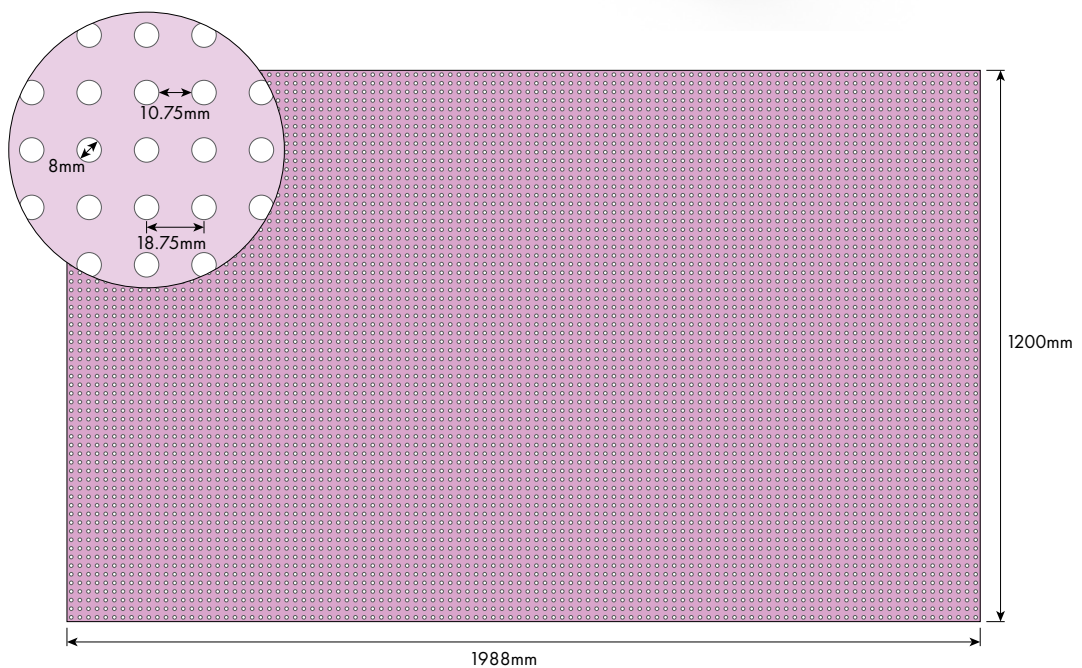
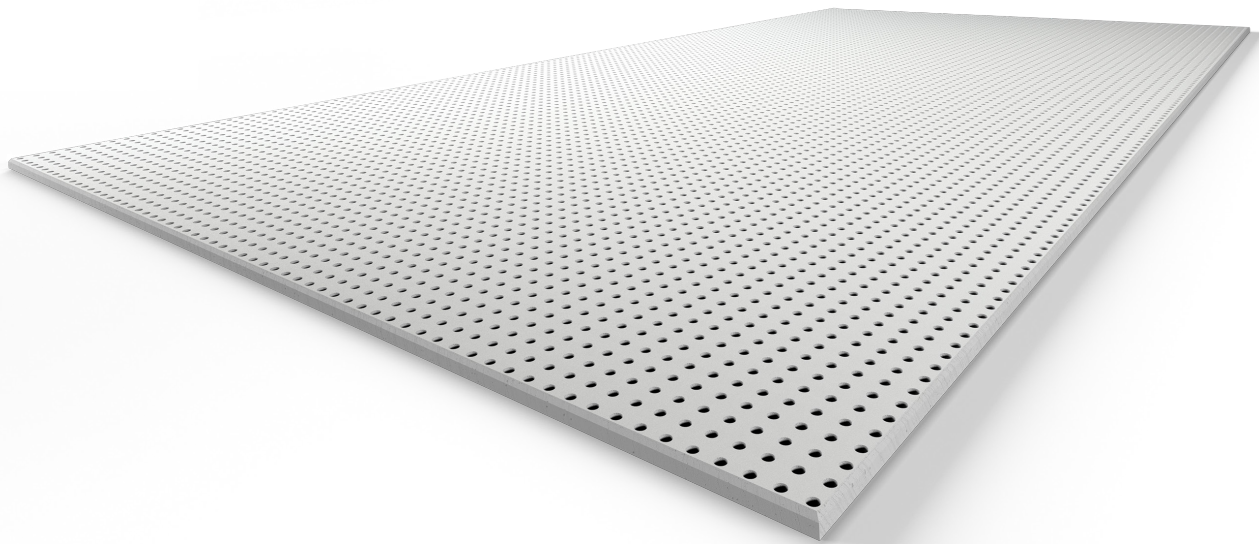




createx® round R8/18

8mm diameter circle perforations

- **Open Area:** 14,3 %
- **Furring Channel Centres:** 400mm maximum
- **Sheet Dimensions:** 1200 x 1988 x 12.5mm
- **Weight:** 10 kg/m² (approximate)





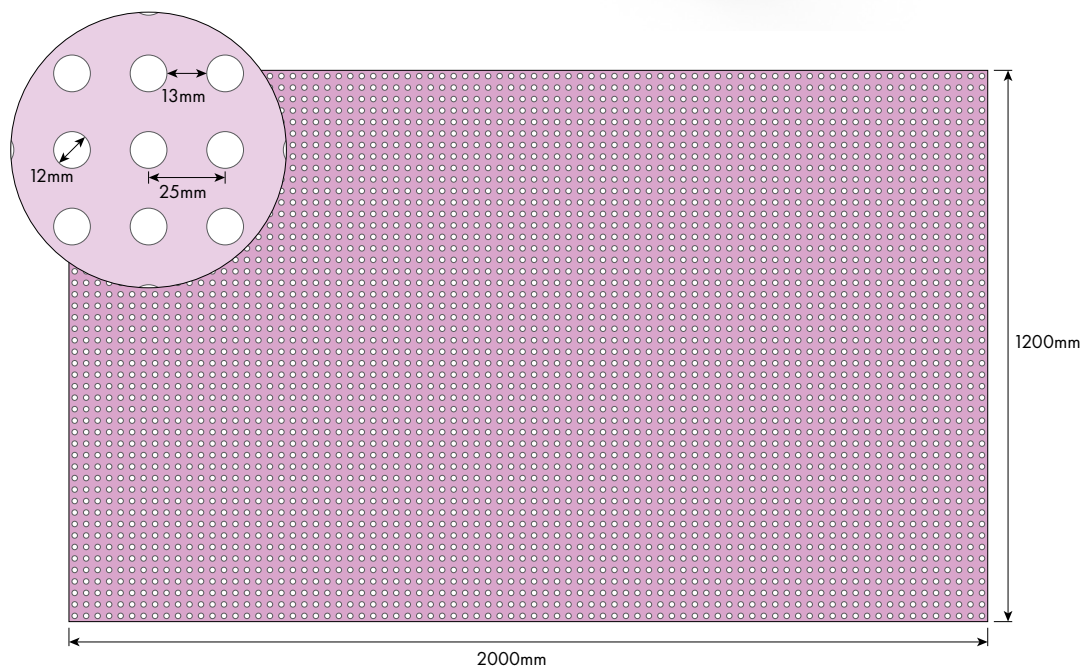
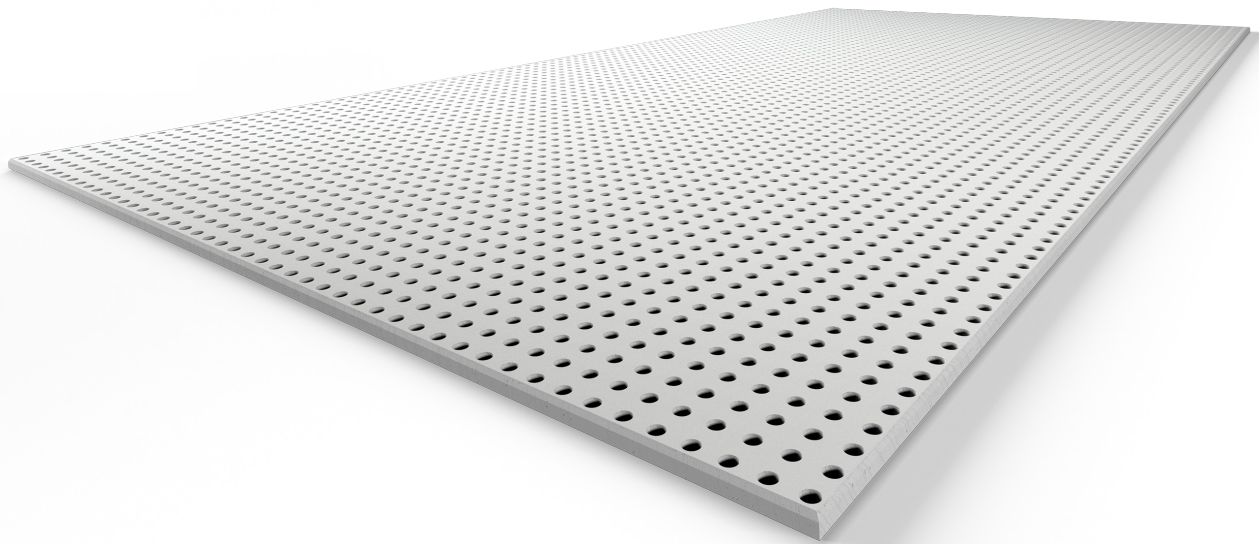
createx R8/18	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
Pink® Partition 50mm 14kg/m³ R1.3	37	0.35	0.85	1.0	0.9	0.65	0.6	0.7	0.85
	187	0.55	0.95	0.85	0.85	0.65	0.6	0.7	0.85
Pink® Partition 75mm 14kg/m³ R1.3	187	0.55	0.8	0.8	0.75	0.7	0.65	0.7	0.75
No Insulation	187	0.45	0.7	0.8	0.7	0.65	0.6	0.7	0.7
Pink® Partition 75mm 14kg/m³ R1.3	587	0.65	0.7	0.8	0.7	0.6	0.65	0.7	0.7



createx® round R12/25

12mm diameter circle perforations

- **Open Area:** 18.2 %
- **Furring Channel Centres:** 400mm maximum
- **Sheet Dimensions:** 1200 x 2000 x 12.5mm
- **Weight:** 10 kg/m² (approximate)





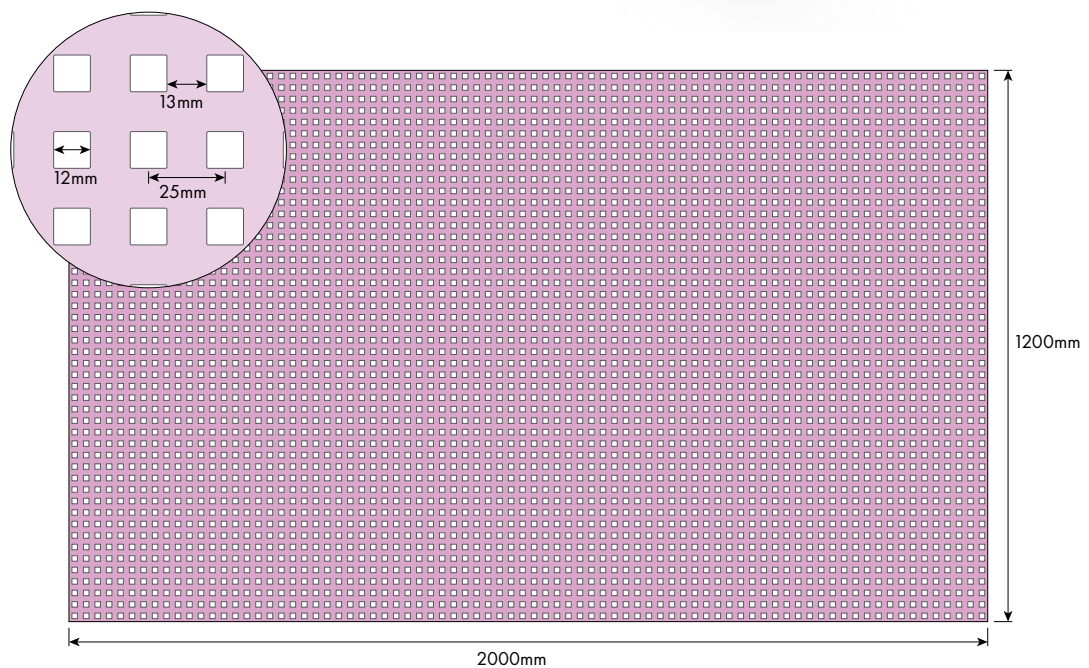
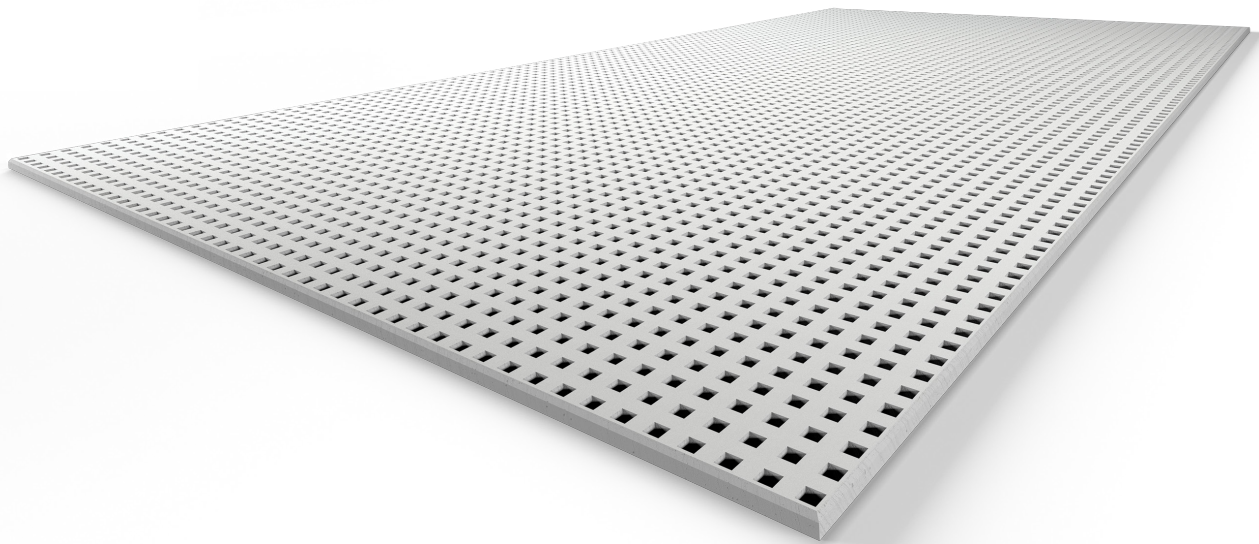
createx R12/25	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
Pink® Partition 50mm 14kg/m³ R1.3	37	0.35	0.75	0.95	0.9	0.75	0.65	0.8	0.85
Pink® Partition 75mm 14kg/m³ R1.9	187	0.6	0.8	0.85	0.8	0.8	0.75	0.75	0.8
No Insulation	187	0.45	0.75	0.9	0.7	0.7	0.55	0.7	0.75



createx® cube C12/25

12mm square perforations

- **Open Area:** 23.1 %
- **Furring Channel Centres:** 400mm maximum
- **Sheet Dimensions:** 1200 x 2000 x 12.5mm
- **Weight:** 10 kg/m² (approximate)





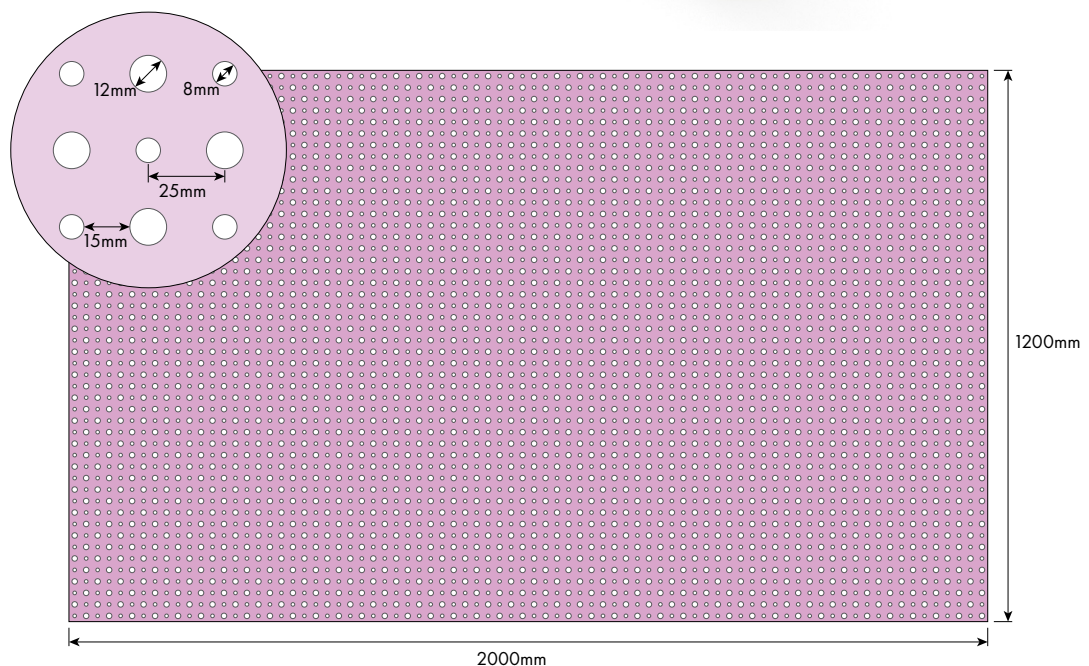
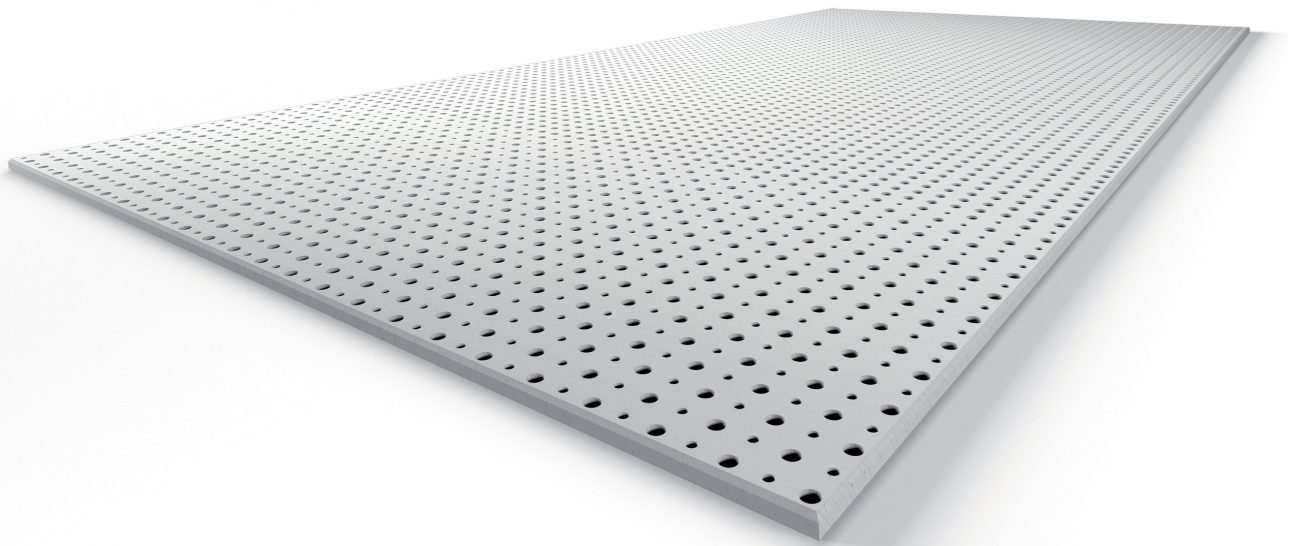
createx C12/25	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
Pink® Partition 50mm 14kg/m³ R1.3	37	0.25	0.7	0.85	0.85	0.75	0.75	0.85	0.8
No Insulation	187	0.45	0.8	0.9	0.75	0.7	0.65	0.75	0.8
Pink® Partition 75mm 14kg/m³ R1.9	187	0.6	0.9	0.95	0.9	0.85	0.8	0.9	0.9
Pink® Partition 75mm 14kg/m³ R1.9	587	0.75	0.8	0.9	0.85	0.75	0.8	0.85	0.85



createx® dynamic D8-12

8mm and 12mm diameter circle perforations

- **Open Area:** 13.1 %
- **Furring Channel Centres:** 400mm maximum
- **Sheet Dimensions:** 1200 x 2000 x 12.5mm
- **Weight:** 10 kg/m² (approximate)





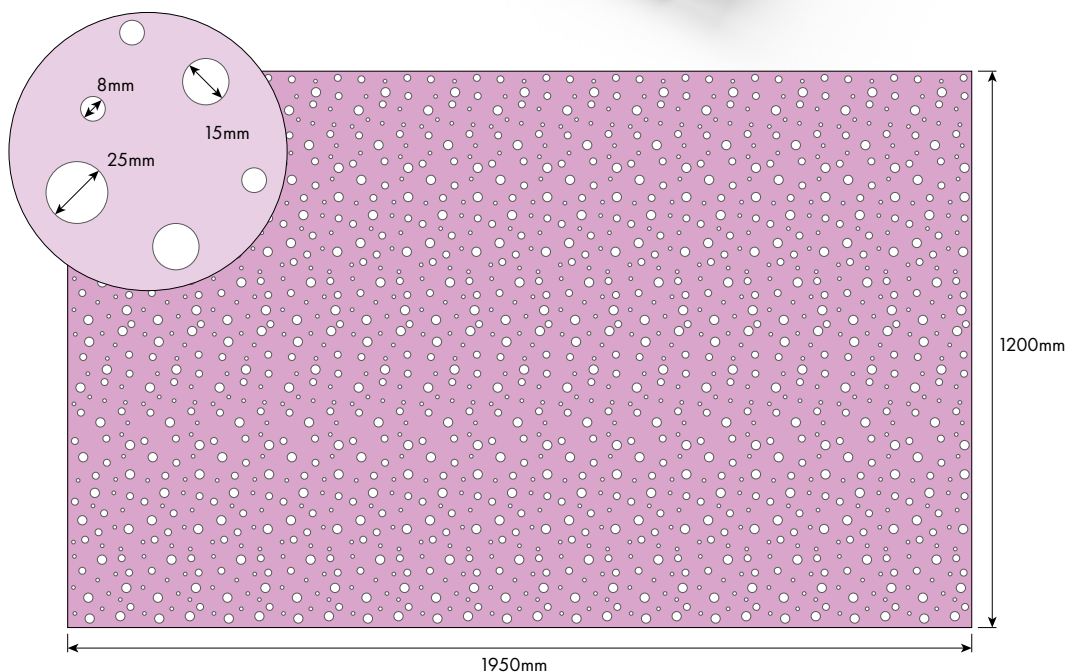
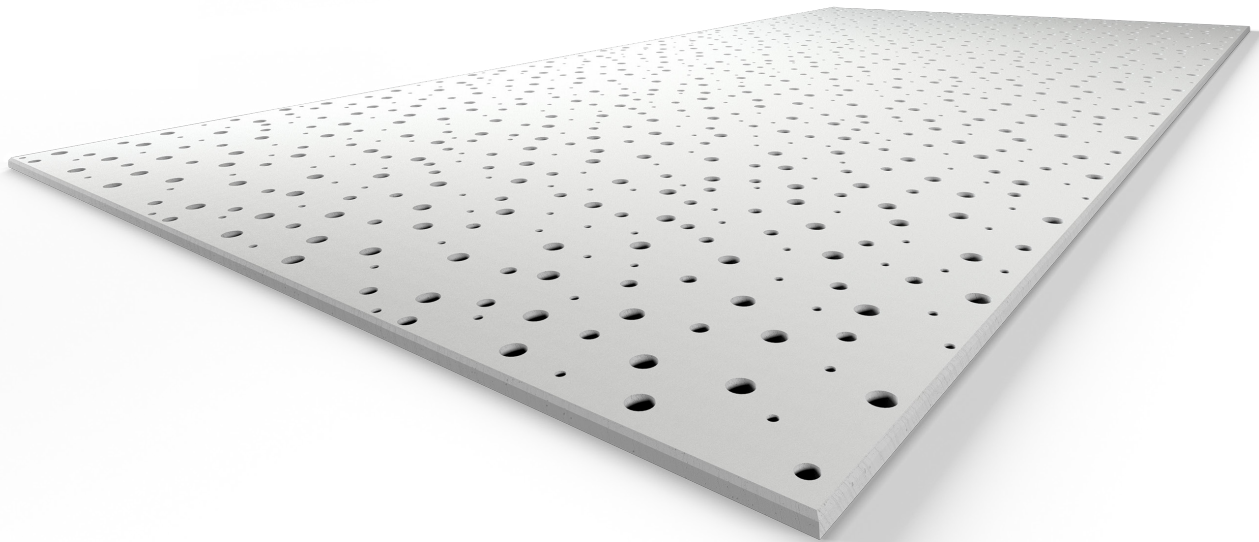
createx D8-12	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
No Insulation	187	0.25	0.65	0.6	0.35	0.3	0.35	0.35	0.5
Pink® Partition 75mm 14kg/m³ R1.9	187	0.55	1.0	0.9	0.7	0.5	0.45	0.55	0.8
Pink® Partition 75mm 14kg/m³ R1.9	587	0.6	0.7	0.75	0.7	0.6	0.6	0.7	0.7



createx® space S8-15-20

8mm, 15mm and 20mm diameter circle perforations

- **Open Area:** 10.2 %
- **Furring Channel Centres:** 400mm maximum
- **Sheet Dimensions:** 1200 x 1950 x 12,5mm
- **Weight:** 10 kg/m² (approximate)





createx S8-15-20	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
Pink® Partition 50mm 14kg/m³ R1.3	37	0.4	0.7	0.65	0.65	0.5	0.5	0.6	0.65
No Insulation	187	0.45	0.65	0.7	0.6	0.45	0.4	0.5	0.6
Pink® Partition 50mm 14kg/m³ R1.3	187	0.45	0.6	0.65	0.65	0.5	0.5	0.6	0.6
Pink® Partition 75mm 14kg/m³ R1.9	187	0.5	0.65	0.65	0.65	0.5	0.5	0.6	0.6
Pink® Partition 75mm 14kg/m³ R1.9	587	0.6	0.6	0.7	0.65	0.45	0.45	0.55	0.6



creason®

creason provides superior sound absorption properties while adding a beautiful decorative touch.

It is suitable for internal application, and most often used in ceilings. It can however also be used at the top of internal walls (above traffic areas) where control of sound absorption and reverberation time is required.

creason is ideal for ceilings in high traffic residential areas, including schools, hospitals, the workplace and restaurants. It can also be used in residential applications such as open plan living areas and home theatres for the ultimate acoustic comfort.

The CAPT'AIR® technology incorporated in the boards actively removes harmful VOCs, thereby improving the air quality.

creason is available in two perforation patterns:

- round R12/25
- cube 12/25

Boards come with two longitudinal tapered edges and two transversal squared edges and is installed like regular plasterboard.

For more information download the Technical Data Sheet from siniat.com.au

design	perforation pattern	perforation ratio (%)	absorption (α_w / NRC)	board dimensions		edge type
				width (mm)	length (mm)	2 sides tapered
standard perforation patterns						
round	R12/25 no.8	10.2	0.5 - 0.6	1200	2400	•
cube	C12/25 no.8	16.1	0.6 - 0.8			•

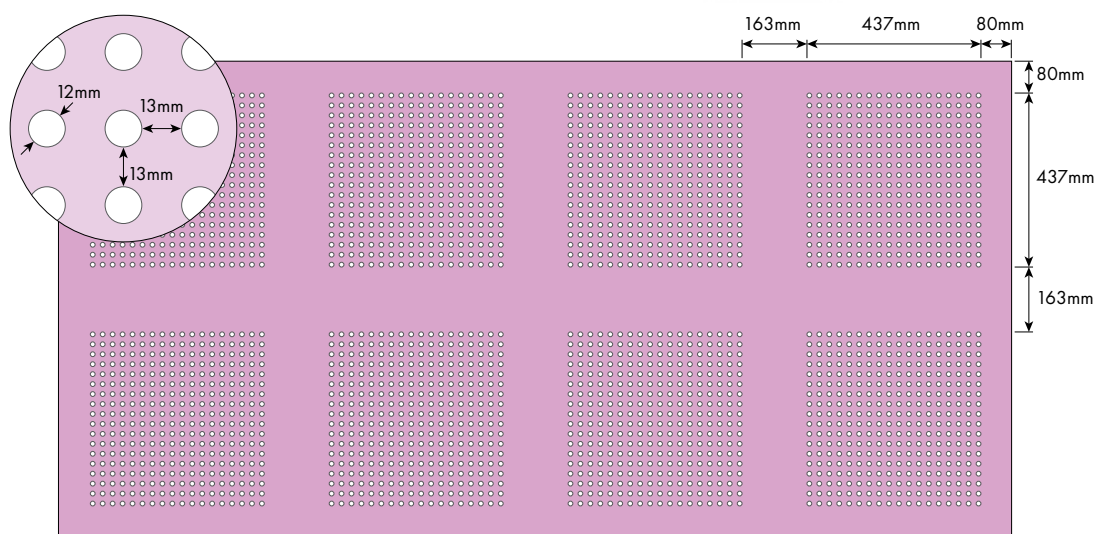
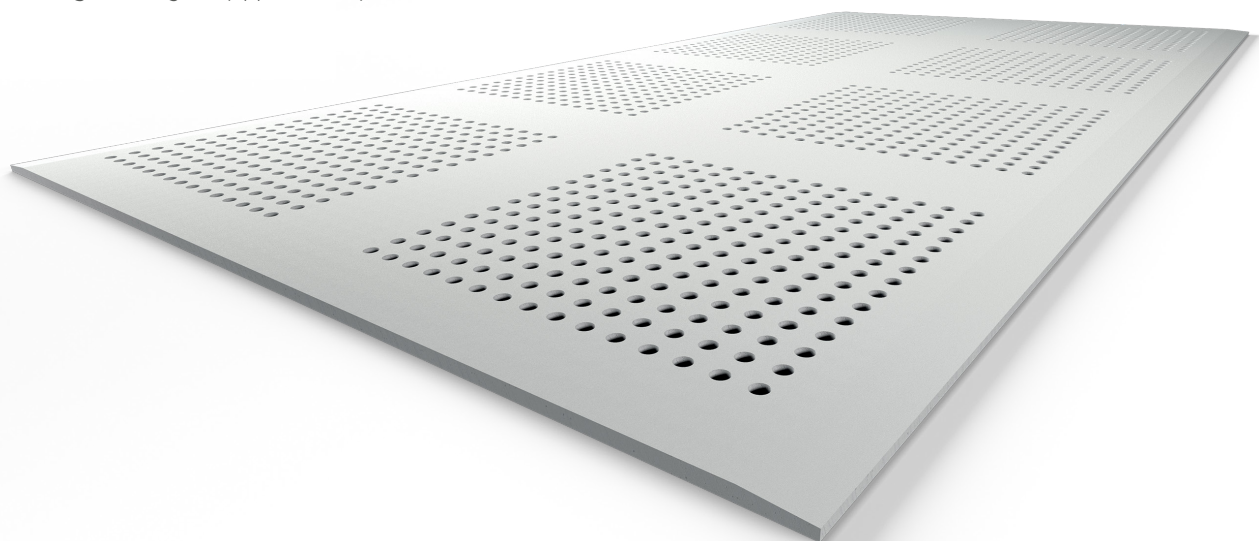




creason® round R12/25 no.8

12mm diameter circle perforations

- **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)





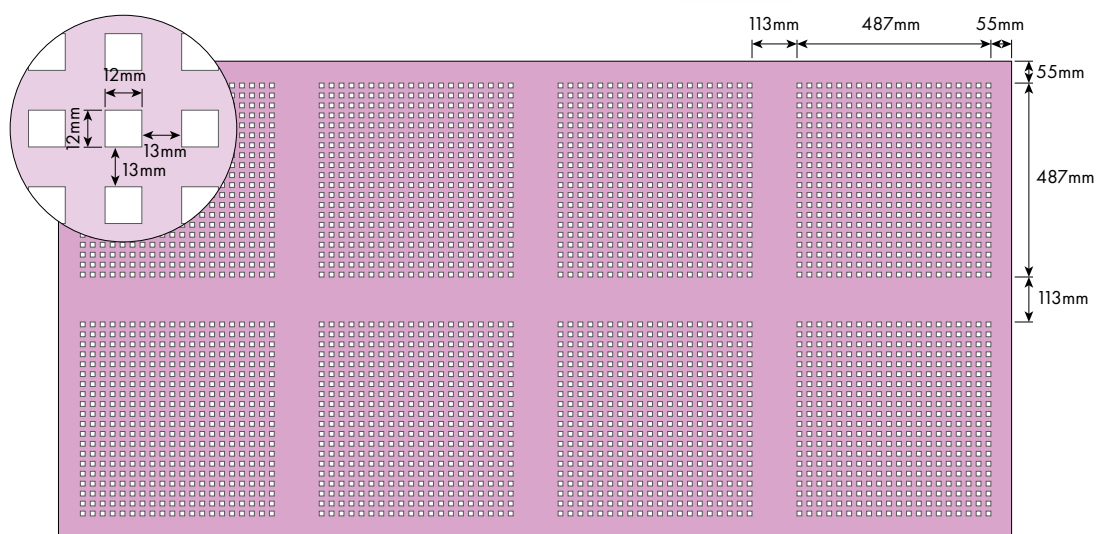
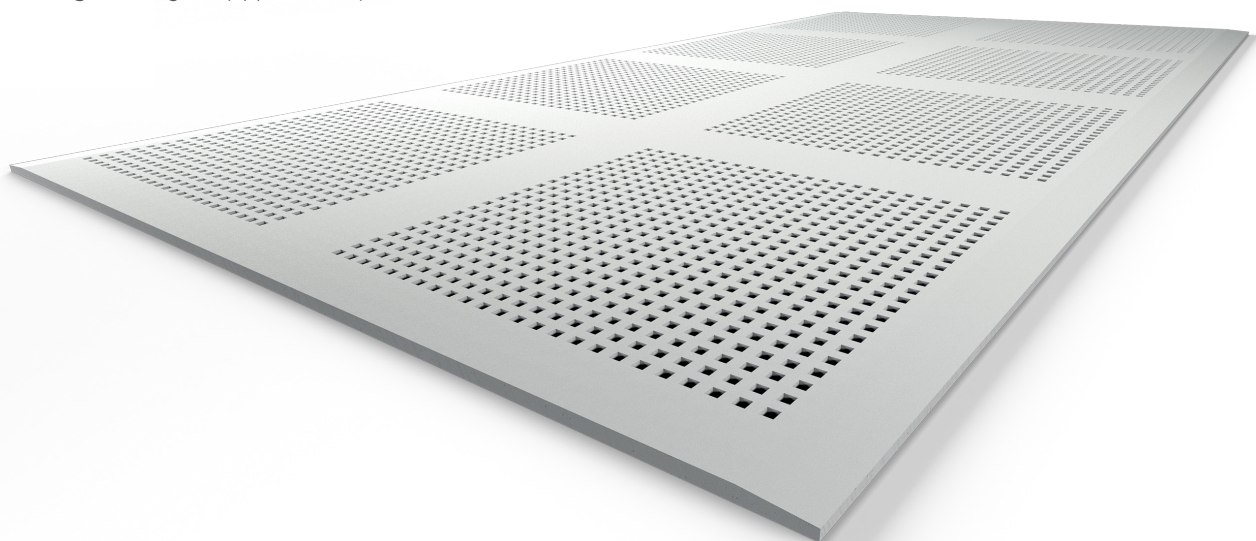
	ceiling cavity (mm)	α_p - Frequency (Hz)						α_w	NRC
		125	250	500	1000	2000	4000		
No Insulation	187	0.4	0.7	0.65	0.55	0.45	0.4	0.5	0.6
Pink® Partition 75mm 14kg/m³ R1.9	187	0.55	0.7	0.65	0.55	0.5	0.45	0.55	0.6



creason® cube C12/25 no.8

12mm square perforations

- **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/m³ 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



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warranty

Siniat's products are guaranteed
by a comprehensive warranty.
For details visit siniat.com.au

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technical advice

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