



# CREA+SON<sup>®</sup> CREA+TEX<sup>®</sup>

Acoustic ceiling system with  
new clean air technology.

# CREASON® CREATEX®

Creason and Createx is a new range of perforated plasterboards that combine creative design with CAPT'AIR technology and superior sound absorption.

+ Acoustic absorption from  $\alpha_w$  0.50 to  $\alpha_w$  0.80

+ CAPT'AIR® absorbs up to 80% of formaldehyde



+ Spread of flame Euroclass A2 (EN13501)  
Meets sound absorption classes  
Meets classes B, C and D in accordance with EN ISO 11654

+ Circular, square and linear perforations

# CREASON® CREATEX®

Create modern and functional ceilings and walls with the new Creason and Createx range.

Sound absorption helps to create acoustic ambience, while the addition of CAPT'AIR technology supports our ambition of creating a healthier environment for all.



## Where would you use Creason and Createx?

Creason and Createx perforated plasterboards provide an acoustic solution for noisy indoor environments by reducing sound reverberation.

**Ideal for indoor, public and busy areas in commercial and residential buildings.**



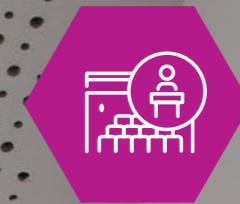
Hospitals



Schools



Cinemas



Conference centres



Media booths



University lecture halls



Communal areas in multi-residential blocks



Hotels and restaurants

## CAPT'AIR Technology

Creating healthier spaces by  
improving indoor air quality.

Rate of Capture:  
UP  
TO **80%**  
Formaldehyde<sup>1</sup>

Technology  
CAPT'  
AIR

### Introducing the latest Siniat innovation, CAPT'AIR.

We spend 90% of our time indoors,  
so let's make it healthy and  
comfortable.

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

CAPT'AIR technology was  
developed based on four years of  
intensive technical research.

Once installed, the CAPT'AIR  
technology in the Creason boards  
actively works to decompose  
formaldehyde emissions found in  
the air.

### What is Formaldehyde?

Formaldehyde is a volatile organic  
component (VOC) from the  
aldehyde family.

Commonly found in work and living  
spaces, formaldehyde is a pollutant  
known to increase health risks and  
impact our general well-being.  
wood items, fabrics and household  
products such as glues, paints,  
cosmetics and detergents.

Formaldehyde is the most common  
volatile organic component facing  
us today.

### Short-term health issues surrounding VOCs

- Headaches
- Nausea
- Eye irritation
- Coughing

### Long-term health issues surrounding VOCs

- Fatigue
- Respiratory issues
- Dizziness
- Cancer

## Offering 6 designs

Complementary to any  
contemporary space.

CREASON® C10

CREASON® L5

CREATEX®  
CRYSTAL 8

CREATEX®  
S 8-15-20

CREATEX®  
CRYSTAL 14

CREATEX®  
CRYSTAL 23

## Technical Performance

Reverberation is caused when a sound wave is reflected. Often occurring in spaces with very hard, dense surfaces causing a large number of reflections to build up which slowly decay over time as the sound waves are absorbed by objects within that space.

A classroom or assembly hall with a long reverberation time will cause speech intelligibility to be degraded which can hinder learning.

The required acoustic absorption for any given space will typically be presented as an area (for example 15m<sup>2</sup>) and a classification to the quality of the absorption in one of two ways.

1. Absorption Class
2. Absorption Coefficient

Businesses, schools, restaurants, theatres, and hospitals all tend to struggle with sound control; For some, it's the sound within the room that needs to be lessened, whilst for others, it's the sound from elsewhere that needs to be blocked from leaving or entering a room.

These acoustic problems can be solved in two ways: Soundproofing and sound absorption. Soundproofing refers specifically to the action of blocking sound and sound absorption refers to the application of materials to walls or ceilings that absorb the sound from within the room.

### Sound absorption

Sound absorption products are not ideal for applications where noise has to be blocked and prevented from entering or leaving a space. As the name suggests, audio absorption products absorb frequencies to improve the acoustical properties heard from within the room. These products offer a great way to reduce the level of echo and to improve the acoustics of a space. Our Creason/Creutex ceiling panels are designed for public and commercial buildings and are certified to meet the highest levels of acoustic absorption (up to max.  $w = 0.80$ ).

### Soundproofing

Soundproofing is a way to exercise noise control and to reduce the sound transmission between a specified sound source and a receptor. It can suppress unwanted indirect soundwaves, such as reflections that cause echoes and resonances that cause reverberation, and can also reduce the transmission of unwanted direct sound waves from the source to an involuntary listener through the use of distance and intervening objects in the sound path.

Sound Absorption Class	$\alpha_w$
A	0.90 0.95 1.00
B	0.80 0.85
C	0.60 0.65 0.70 0.75
D	0.30 0.35 0.40 0.45 0.50 0.55
E	0.25 0.20 0.15
Not classified	0.10 0.05 0.00

There are various wall lining and ceiling systems that will meet the required acoustic performance.

#### Your system choice will depend upon:

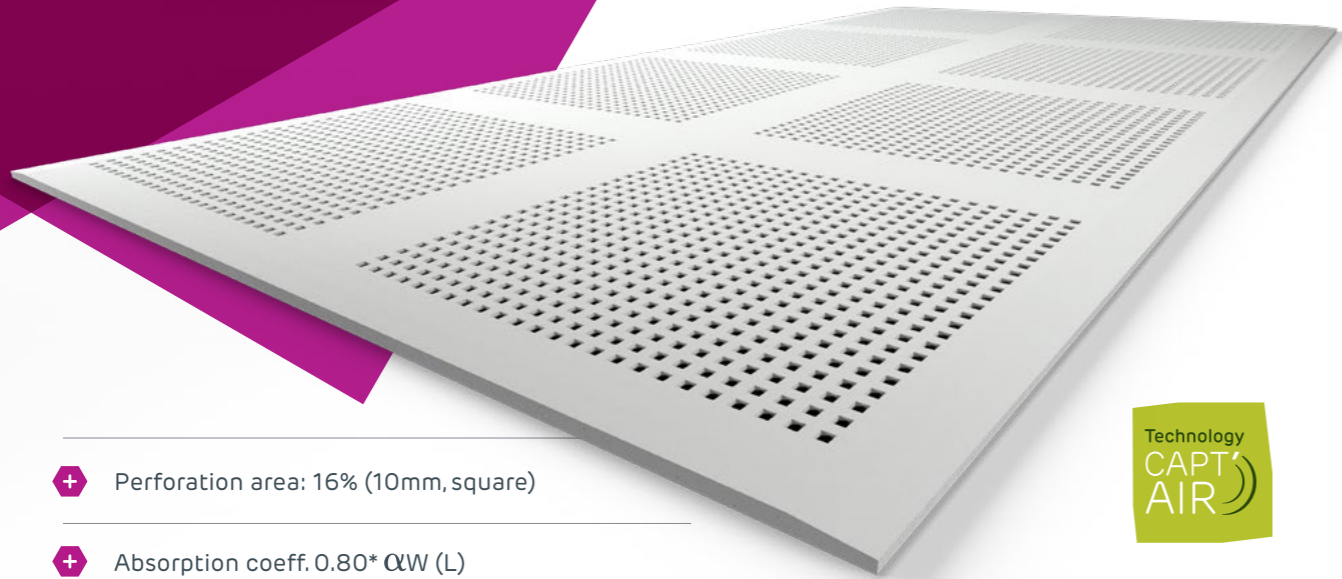
1. Required absorption class/coefficient
2. Desired finish (board type)
3. Insulation required (cost)
4. Void depth (headspace lost)

### Acoustic Fleece

All Creason and Creutex boards have a white acoustic fleece on the back of the board to assist with acoustic absorption.

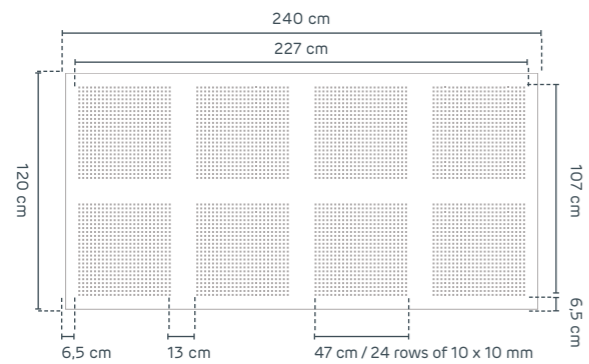
CREASON®  
CREATEX®  
System Selector

# CREASON® C10 / Acoustic Panels \*

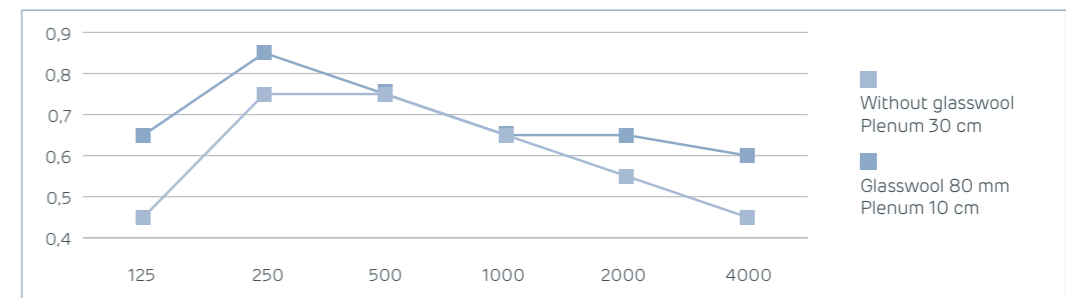


- + Perforation area: 16% (10mm, square)
- + Absorption coeff. 0.80\*  $\alpha_w$  (L)
- + Certified to meet the highest levels of acoustic absorption (up to max.  $w = 0.80$ ).
- + CAPT' AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption $\alpha_p$ by frequency bands (Hz)						Rating $\alpha_w$
	125	250	500	1000	2000	4000	
Without glasswool - plenum 20 cm	0,45	0,75	0,75	0,65	0,55	0,45	0,60 L
Glasswool 60 mm - plenum 20 cm	0,65	0,85	0,75	0,65	0,65	0,60	0,70 L



Acoustic references

CSTB AC17-26070498/3

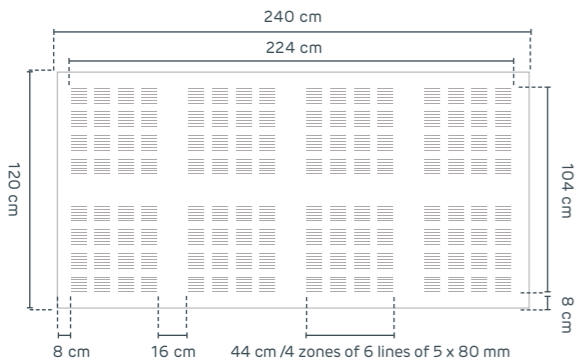
Note: Creason/Createx ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.

# CREASON® L5 / Acoustic Panels\*

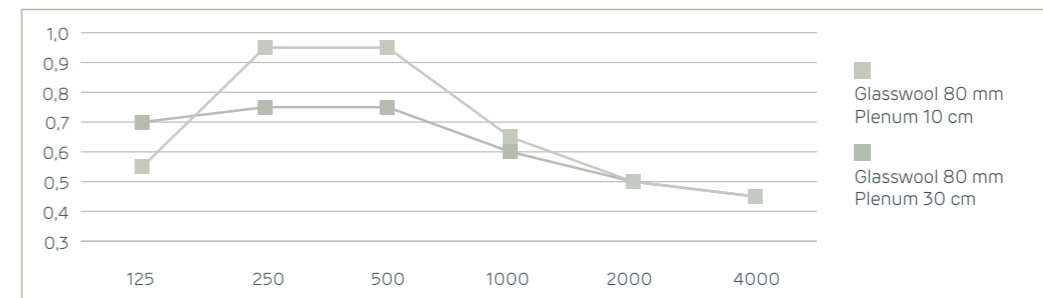


- + Perforation area: 10.7% (5 x 80mm, line)
- + Absorption coeff. 0.55\*  $\alpha_w$  (L)
- + Certified to meet the highest levels of acoustic absorption (up to max. w = 0.80).
- + CAPT' AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption $\alpha_p$ by frequency bands (Hz)						Rating $\alpha_w$
	125	250	500	1000	2000	4000	
Glasswool 80 mm - plenum 10 cm	0,55	0,95	0,95	0,65	0,50	0,40	0,55 LM <sup>(1)</sup>
Glasswool 80 mm - plenum 30 cm	0,70	0,75	0,75	0,60	0,50	0,45	0,55 L <sup>(2)</sup>



Acoustic references

CTBA 03/PC/PHY/2143/2-1

CTBA 03/PC/PHY/2143/2-2

Note: Creason/Createx ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.

# CREATEX®

8-15-20

/ Acoustic Panels\*



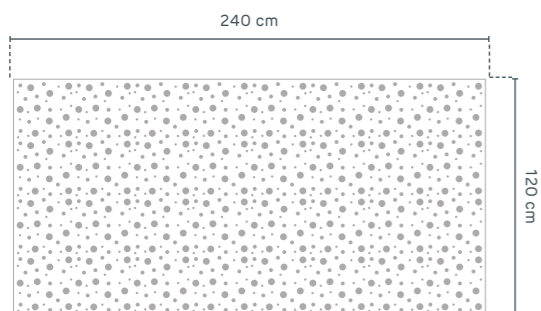
+ Perforation area: 10.2% (8-20mm, circle)

+ Absorption coeff. 0.60\*  $\alpha_w$  (L)

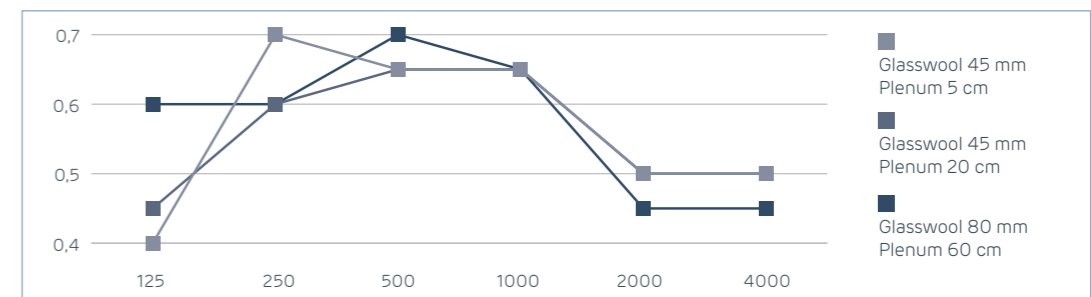
+ Certified to meet the highest levels of acoustic absorption (up to max. w = 0.80).

+ CAPT' AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption $\alpha_p$ by frequency bands (Hz)						Rating $\alpha_w$
	125	250	500	1000	2000	4000	
Glasswool 45 mm - plenum 5 cm	0,40	0,70	0,65	0,65	0,50	0,50	0,60 L
Glasswool 45 mm - plenum 20 cm	0,45	0,60	0,65	0,65	0,50	0,50	0,60
Glasswool 80 mm - plenum 60 cm	0,60	0,60	0,70	0,65	0,45	0,45	0,55 L



Acoustic references

CSTB AC16/26060736/2

CSTB AC16/26060736-1

CEE/022-12-16

Note: Creason/Creutex ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.



# CREATEX® CRYSTAL 8 / Acoustic Tiles\*

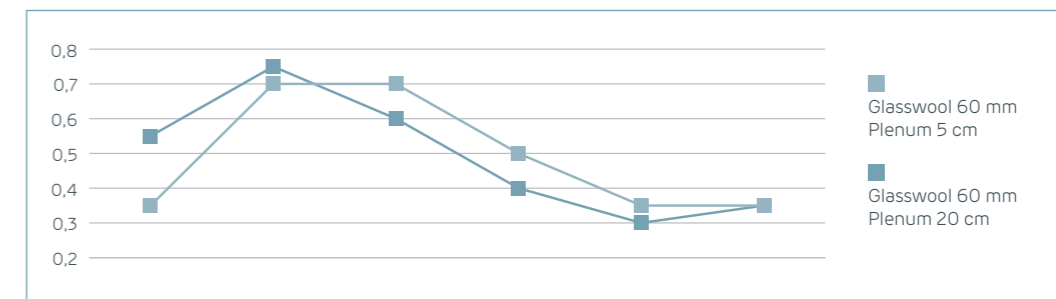


- + Perforation area: 8,3% (12,5 mm, pill)
- + Absorption coeff. 0.45\*  $\alpha_w$  (L)
- + Certified to meet the highest levels of acoustic absorption (up to max. w = 0.80).
- + CAPT'AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption $\alpha_p$ by frequency bands (Hz)						Rating $\alpha_w$
	125	250	500	1000	2000	4000	
Glasswool 45 mm - plenum 5 cm	0,35	0,70	0,70	0,50	0,35	0,35	0,45 (LM)
Glasswool 60 mm - plenum 20 cm	0,55	0,75	0,60	0,40	0,30	0,35	0,40 (L)



Acoustic references

ITC / ACO 19402 T11

ITC / ACO 19402 T31

Note: Creason/Creutex ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.

**CREATEX®**  
**CRYSTAL 14**  
/ Acoustic Panels\*

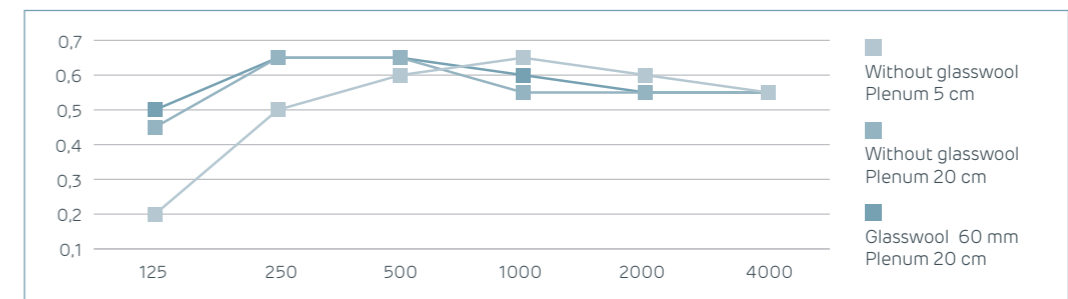


- + Perforation area: 14% (12,5 mm, pill)
- + Absorption coeff. 0.65\* α<sub>w</sub> (L)
- + Certified to meet the highest levels of acoustic absorption (up to max. w = 0.80).
- + CAPT' AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption α <sub>p</sub> by frequency bands (Hz)						Rating α <sub>w</sub>
	125	250	500	1000	2000	4000	
Without glasswool - plenum 5 cm	0,20	0,50	0,60	0,65	0,60	0,55	<b>0,65</b>
Without glasswool - plenum 20 cm	0,45	0,65	0,65	0,55	0,55	0,55	<b>0,60 (L)</b>
Glasswool 60 mm - plenum 20 cm	0,50	0,65	0,65	0,60	0,55	0,55	<b>0,60 (L)</b>



Acoustic references

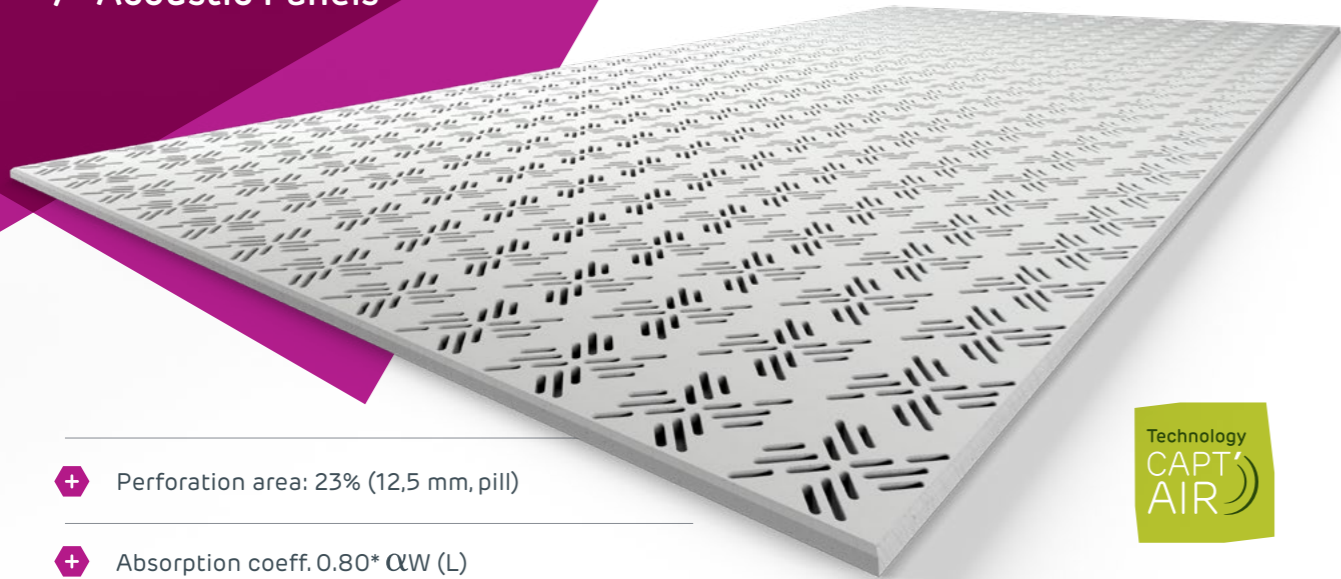
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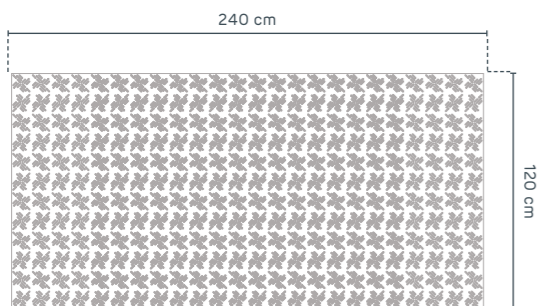
**Note:** Creason/createx ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.

# CREATEX® CRYSTAL 23 / Acoustic Panels\*

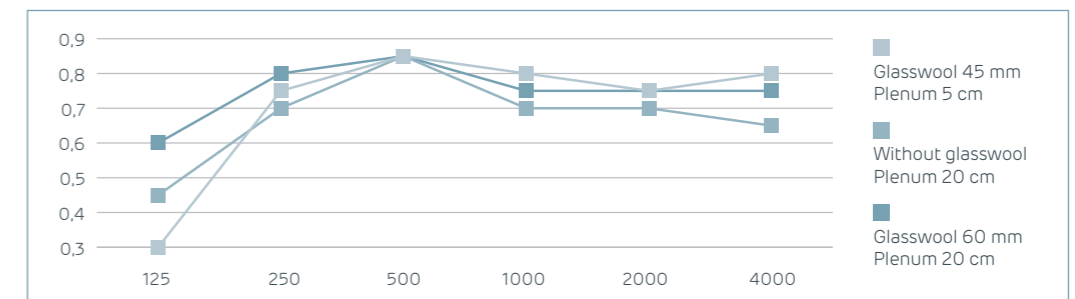


- + Perforation area: 23% (12,5 mm, pill)
- + Absorption coeff. 0.80\*  $\alpha_w$  (L)
- + Certified to meet the highest levels of acoustic absorption (up to max.  $w = 0.80$ ).
- + CAPT'AIR® absorbs up to 80% of formaldehyde. Proven to improve indoor air quality.

Board Dimensions: 2400mm (L) x 1200mm (W) x 12.5mm (T)



Insulation and plenum	Absorption $\alpha_p$ by frequency bands (Hz)						Rating $\alpha_w$
	125	250	500	1000	2000	4000	
Glasswool 45 mm - plenum 5 cm	0,30	0,75	0,85	0,80	0,75	0,80	0,80
Without glasswool - plenum 20 cm	0,45	0,70	0,85	0,70	0,70	0,65	0,75
Glasswool 60 mm - plenum 20 cm	0,60	0,80	0,85	0,85	0,75	0,75	0,80



Acoustic references

A18-26076829/70







A18-26076829/64

A18-26076829/71

Note: Creason/Creutex ceiling panels are not readily available in South Africa, and minimum quantity and lead times will apply.

# CREATEX®

## Acoustic Performances

CREASON® CREATEX®	Perforation %	Plenum depth	Absorption (Hz)						Rating $\alpha_w$
			125	250	500	1000	2000	4000	
 C10 N8	16 %	Without glasswool - Plenum 20 cm	0,45	0,75	0,75	0,65	0,55	0,45	0,60 (L)
		Glasswool 60 mm - Plenum 20 cm	0,65	0,85	0,75	0,65	0,65	0,60	0,70 (L)
 L5-80 N8	11 %	Glasswool 80 mm - Plenum 10 cm	0,55	0,95	0,95	0,65	0,50	0,40	0,55 (LM) <sup>(1)</sup>
		Glasswool 80 mm - Plenum 30 cm	0,70	0,75	0,75	0,60	0,50	0,45	0,55 (L) <sup>(2)</sup>
 S 8-15-20	10,2 %	Glasswool 80 mm - Plenum 60 cm	0,60	0,60	0,70	0,65	0,45	0,45	0,55 (L)
		Glasswool 45 mm - Plenum 20 cm	0,45	0,60	0,65	0,65	0,50	0,50	0,60
		Glasswool 45 mm - Plenum 5 cm	0,40	0,70	0,65	0,65	0,50	0,50	0,60 (L)
 Crystal 8	8,33 %	Glasswool 60 mm - Plenum 5 cm	0,35	0,70	0,70	0,50	0,35	0,35	0,45 (LM)
		Glasswool 60 mm - Plenum 20 cm	0,55	0,75	0,60	0,40	0,30	0,35	0,40 (L)
 Crystal 14	14 %	Without glasswool - Plenum 5 cm	0,20	0,50	0,60	0,65	0,60	0,55	0,65
		Without glasswool - Plenum 20 cm	0,45	0,65	0,65	0,55	0,55	0,55	0,60 (L)
		Glasswool 60 mm - Plenum 20 cm	0,50	0,65	0,65	0,60	0,55	0,55	0,60 (L)
 Crystal 23	22,6 %	Glasswool 45 mm - Plenum 5 cm	0,30	0,75	0,85	0,80	0,75	0,80	0,80
		Without glasswool - Plenum 20 cm	0,45	0,70	0,85	0,70	0,70	0,65	0,75
		Glasswool 60 mm - Plenum 20 cm	0,60	0,80	0,85	0,75	0,75	0,75	0,80

> Absorption values  $\alpha$  are given per octave band.  
 > The single w-index is derived from ISO 11654, which uses a high-frequency template. This is why the values are supplemented by the letters L and M, which remind us that CREATEX™ sheets have higher absorptions at low frequencies (L: Low) and at medium frequencies (M: Medium).  
 > The glass wool (GW) assemblies were carried out with insulation boards without a vapour barrier.

## Product Information

### Physical properties

- Nominal density of motherboard (without perforation): 10,0 kg/m<sup>2</sup>.
- Acoustic absorption: From  $\alpha_w$  0.50 to  $\alpha_w$  0.80 depending on
- 80% formaldehyde captured (considering walls and ceiling).
- Reaction to fire: A2-s1, d0.

### Compliance authority

The boards are CE marked according to EN14190:2014 (gypsum board products from reprocessing - definitions, requirements and test methods).

### Health and safety

Please refer to the Creason and Createx data sheet.

### General safety instructions:

May contain traces of quartz. Any mechanical action during cutting releases dust may contain quartz particles.

### Apply the suitable protection measures:

1. Avoid the emission of dust using tools with dust extraction systems.
2. Ensure adequate ventilation in
3. Avoid contact with eyes and skin and inhalation of dust by wearing appropriate personal protective equipment (safety glasses, gloves, protective clothing, and dust mask, type P2 minimum).

### General storage, handling and installation instructions

**Storage:** Store in dry, flat conditions. Ensure safe stacking by not exceeding 4 stacks (or 3 metres). Use suitable handling equipment to avoid damage when lifting. To avoid damage to the special acoustic tissue bonded to the back face, Creason and Createx boards should not be pulled over the edges of the stack of boards below.

**Handling:** Boards should always be handled from the stack by two persons and then be carried vertically.

**Cutting:** Boards can be cut with a knife (score and snap) or with an electrical saw for plasterboards. Do not damage perforations and edges during cutting operation.

**Assembling:** When assembling the boards, ensure the continuity of the perforated blocks. The perforations are positioned on the visible side and the non-woven layer on the back side (ceiling plenum or partition cavity). Can be installed in combination with standard plasterboards 12.5mm thick. Assembling up to Sanding specifically refers to **Creason**. Each one has a different installation method

**Screw fixing:** Use plasterboard screws adapted to the metal frame thickness.

**Jointing:** Boards should be taped and jointed using a Siniat Mix. See page 22 for use of Siniat Mix.

**Sanding:** After joints dry, sand manually with sandpaper or with sanding machine.

**Painting:** Surface should be sealed using universal sealer or follow paint manufacturer's guidance. Paint should be applied with short pile roller. Do not use spray application as this will affect the acoustic performance of the board.

## Installation of CREATEX - Bevelled V-edges

### Treatment of joints



It is necessary to apply the SINIAT primer on all the edges of the panels, as well as on the edges cut on site.



Using a manual (or electric) gun, apply the SINIAT MIX cartridge plaster continuously, ensuring that the joints are completely filled. Allow the coating to overflow on the visible side of the panel.



After the product has dried completely (12 to 24 hours), sand the joints. Cover the screw heads with SINIAT MIX

**Note:** All four sides of a Createx panel have a bevelled edge.



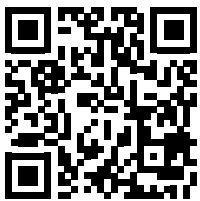
#### Warranty

Siniat ceiling and wall components are designed to perform as a system; none of the components should be interchanged or substituted.

Failure to comply with this information will affect the overall ceiling safety and invalidate any Siniat 10 year warranty.

To see how Creason and  
Createx can benefit your  
next project, call our  
technical services team on  
**011-389-4500**

For more information,  
please contact Heidi Olivier,  
Siniat Product Manager  
[heidi.olivier@etexgroup.com](mailto:heidi.olivier@etexgroup.com)  
011-389-4500 / 066 487 3805



Scan to learn more about  
Siniat Creason and Createx

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