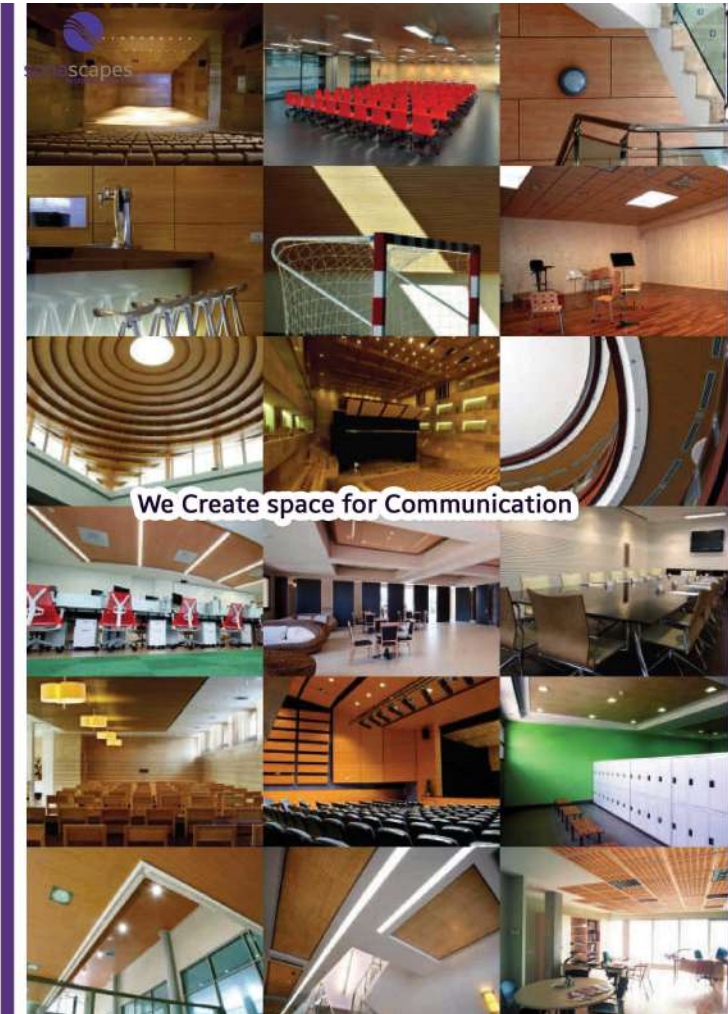


sonascapesTM
INSPIRING DESIGNS

 Asona India Pvt. Ltd

3 Milan Apartment, Gokhale Road, Dahanukarwadi, Kandivali West, Mumbai - 400 067.
Contact us: +91 022-28650610
Email address: info@asonaindia.com Website: www.asonaindia.com



We Create space for Communication

Our Mission:

We add value to the habitat by developing solutions to provide the architecture the essential elements to get the highest comfort. We combine technological research, design and new materials with tradition and natural materials, all respecting our environment.

Our Vision:

Being a worldwide known brand for the refinishing of communication spaces. Being present in the markets all around the world.

Being considered a direct competitor by worldwide leader brands.

Being known as one of the first options in the space creation industry.

Being a company adjusted to the aspirations and expectations of people and contributors forming part of it.































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MDF		    
		   
Plywood		    
		   
Phenolic Compact		   
		  

Finishes

Standard melamines

 Maple	 Cherry	 Coral	 Silver	 White Pine	 Cactus
 Wengue	 Beech	 Oak	 White	 Iroite	 Walnut

Standard wood veneer panels

 Zebrano	 Maple	 Cherry	 Oak	 Wengue	 Beech
---	---	--	---	--	---

More finishes may be available, please see the catalogue of colours, melamines and natural wood panels

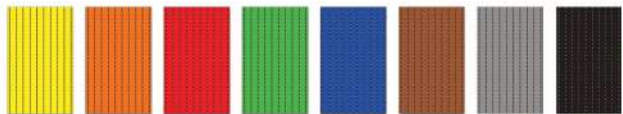
Sonascapes may serve coloured-panels in three ways:-

1_ One-color melamine or HPL laminates. You can choose among more than 100 different colours.



2_ Lacquered panels.
 We have the necessary ability, technology and tools to supply our panels in any reference of Pantone, Ral o NCS.

3_ Finally, we have a range of mass-coloured MDF planks which gives the tone of the desired colour with an innovation touch distinguishing it from the other systems.





Sonascapes present its new decorative wall paneling guided towards the most demanding projects. Multiple combinations of patterns, colours, materials and panelings make each piece unique, a total challenge to imagination.

With the relief panels we take a leap in the present decoration, and go well beyond the traditional concept of wall paneling. It is new panel concept which shall be the protagonist in each decoration project. Shapes and textures inspired by nature, geometric shapes, curves, prints, drawings and attractive compositions, colourful shutters...

Perfect for facades, interior paneling and water-resistant paneling.



Cover for T15



Coated edge trim



Dimensions | 1800/1200/600 mm



Dimensions | 2950 mm



Primary T24 profile



Secondary T24



Dimensions | 3700 mm



Dimensions | 600/1200 mm



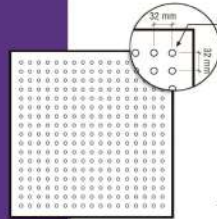
Standard melamines



Standard wood veneer panels

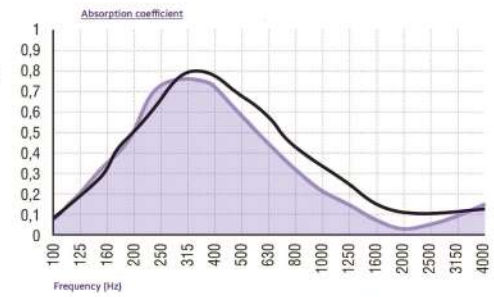
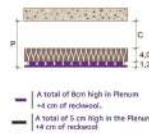


More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



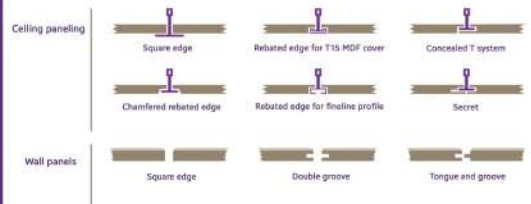
Studied data

Dimensions	600 X 600 mm
Diameter	8 mm
Perforations	289
Perforation percentage	4,04%
Perforation-available	4 mm, 6 mm, 8 mm y 10 mm















Medium acoustic absorption coefficient	$\alpha_m = 0,30$	<table border="1"> <tr> <th>F (Hz)</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> <tr> <td>CA</td> <td>0,18</td> <td>0,65</td> <td>0,60</td> <td>0,23</td> <td>0,85</td> <td>0,12</td> </tr> <tr> <td>CA</td> <td>0,18</td> <td>0,62</td> <td>0,70</td> <td>0,35</td> <td>0,13</td> <td>0,13</td> </tr> </table>	F (Hz)	125	250	500	1000	2000	4000	CA	0,18	0,65	0,60	0,23	0,85	0,12	CA	0,18	0,62	0,70	0,35	0,13	0,13
	F (Hz)		125	250	500	1000	2000	4000															
CA	0,18	0,65	0,60	0,23	0,85	0,12																	
CA	0,18	0,62	0,70	0,35	0,13	0,13																	
	$\alpha_m = 0,40$																						
Average acoustic absorption coefficient	$\alpha_a = 0,40$ (L*) $\alpha_a = 0,45$ (M*)	<table border="1"> <tr> <td>NRC</td> <td>0,40</td> </tr> <tr> <td>NRC</td> <td>0,45</td> </tr> </table>	NRC	0,40	NRC	0,45																	
NRC	0,40																						
NRC	0,45																						

: Material with absorption coefficients rises to medium (M) and low (L) frequencies.



Support materials

	MDF Melamine 12/16 mm		
	MDF Wood veneered 13/16 mm		
	Plywood 13/16 mm		
	HPL Phenolic compact 10/12 mm		

Special support materials

Consult

Phono-absorbent layer

Black acoustic fabric attached to the 0.25 mm back

Dimensions

Ceiling paneling 600/1200 x 600 mm and 610/1220 x 610 mm
Wall paneling 2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm

Tolerance

Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark



Perforated panels were the first incorporations in the Sonascapes portfolio for developing its acoustic line. The S32 panel confer an acoustic absorption level which, although it mainly works in frequencies from 250 to 600 Hz, it perfectly combines the aesthetics with acoustic functionality. Do not forget that the S32 ceiling panel can be mounted by a concealed, square edge or chamfered rebated edge system and manufactured with different perforation diameters.

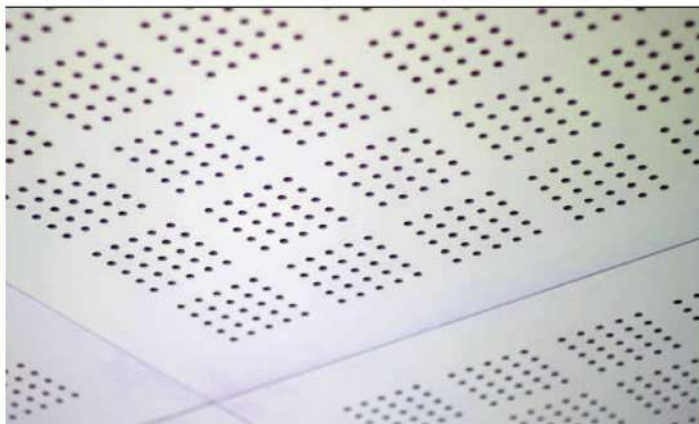
Support materials	  MDF Melamine 12/16 mm	  	
	  MDF Wood veneered 13/16 mm	  	
	  Plywood 13/16 mm	  	
	  HPL Phenolic compact 10/12 mm	  	
Special support materials	Consult		
Phono-absorbent layer	Black acoustic fabric attached to the 0,25 mm back		
Dimensions	Ceiling paneling	600/1200 x 600 mm and 610/1220 x 610 mm	
	Wall paneling	2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm	
Tolerance	Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark		



The S16 perforation types act in the same frequency range that the S23 perforation types, but increasing its absorption level. Do not forget you can combine different perforation types in the same installation to get the best acoustic result.

G5X5 S16

G5X5 S16



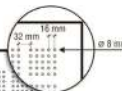
Standard melamines



Standard wood veneer panels



More finishes may be available. Please see the catalogue of colours, melamines and natural wood panels.

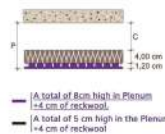


Studied data

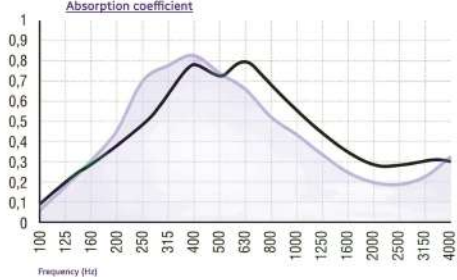
Dimensions | 600 X 600 mm
Diameter | 8 mm
Perforations | 625

Perforation percentage | 8'93%

Perforation-available | 4 mm, 8 mm, 8 mm x 10 mm



Absorption coefficient

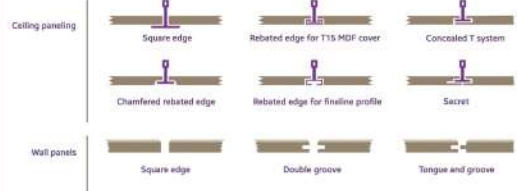


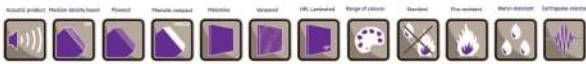
F (Hz)	125	250	500	1000	2000	4000
α_w	0.17	0.64	0.74	0.43	0.20	0.27
α_r	0.18	0.53	0.78	0.55	0.31	0.30

Average acoustic absorption coefficient: $\alpha_w = 0.45$, $\alpha_r = 0.55$

Average acoustic absorption coefficient: $\alpha_w = 0.55$, $\alpha_r = 0.60$

Noise reduction coefficient: NRC = 0.50, NRC = 0.55





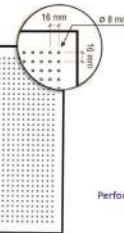
Standard melamines



Standard wood veneer panels



More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



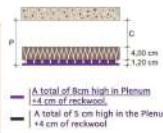
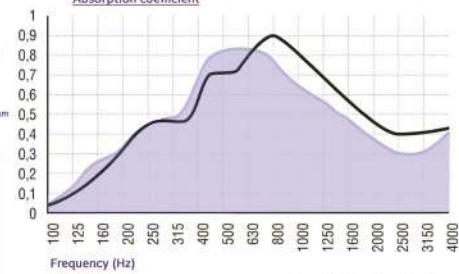
Studied data

Dimensions: 600 X 600 mm
Diameter: 8 mm
Perforations: 1080

Perforation percentage: 15,21%

Perforation-available: 4 mm, 6 mm, 8 mm y 10 mm

Absorption coefficient

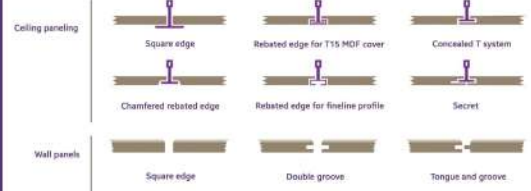







Average acoustic absorption coefficient $\alpha_w = 0,60$
 $\alpha_{0,5} = 0,65$

F (Hz)	125	250	500	1000	2000	4000
α_w	0,18	0,45	0,81	0,99	0,34	0,33
$\alpha_{0,5}$	0,13	0,41	0,77	0,66	0,44	0,41

Average acoustic absorption coefficient $\alpha_w = 0,60$
 $\alpha_{0,5} = 0,60$

Noise reduction coefficient $NRC = 0,55$
 $NRC = 0,55$

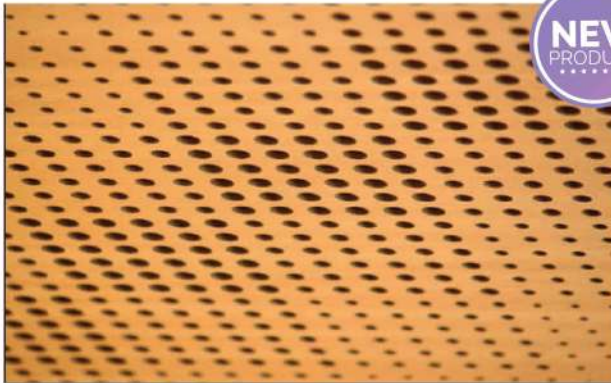


Support materials	 MDF Melamine 12/16 mm	
	 MDF Wood veneered 13/16 mm	
	 Plywood 13/16 mm	
	 HPL Phenolic compact 10/12 mm	
Special support materials	Consult	
Phono-absorbent layer	Black acoustic fabric attached to the 0,25 mm back	
Dimensions	Ceiling paneling	600/1200 x 600 mm and 610/1220 x 610 mm
	Wall paneling	2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm
Tolerance	Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark	



Micro-drilling, is simple perforation system with a better acoustic result with no doubts, without leaving its attractive design behind, which makes it exceptional to combine in multiple environments. Micro-drilled panels can be manufactured for ceiling and wall paneling.

Fresco



Standard melamines



Standard wood veneer panels



More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

Fresco

Fresco 32
Studied data

Dimensions: 600 X 600 mm
Diameter: 4, 8 y 10 mm
Perforations: 225

Perforation percentage: 2'75%

Perforation-available: 2 mm, 4 mm, 6 mm, 8 mm, 10 mm y 12 mm

Fresco 16
Studied data

Dimensions: 600 X 600 mm
Diameter: 4, 8 y 10 mm
Perforations: 450

Perforation percentage: 11'12%

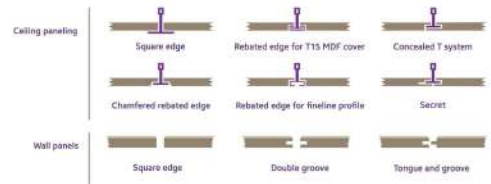
Perforation-available: 2 mm, 4 mm, 6 mm, 8 mm, 10 mm y 12 mm

Fresco MI
Studied data

Dimensions: 600 X 600 mm
Diameter: 4, 8 y 10 mm
Perforations: 900

Perforation percentage: 5'06%

Perforation-available: 2 mm, 4 mm, 6 mm, 8 mm, 10 mm y 12 mm



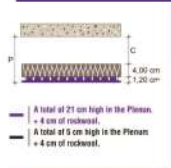
Fresco SQ

Studied Data

Dimensions **600 X 600 mm**
 Diameter **2, 4, 6, 8 y 10 mm**
 Performations **1.156**

Perforation percentage **20/55%**

Perforation-available **2 mm, 4 mm, 6 mm, 8 mm, 10 mm y 12 mm**



Medium acoustic absorption coefficient	$\alpha_m = 0.58$	$\alpha_m = 0.75$	F (Hz)	125	250	500	1000	2000	4000
			CL	0.91	0.87	0.69	0.58	0.44	0.30
			CL	0.28	0.68	0.96	0.89	0.52	0.44
Average acoustic absorption coefficient	$\alpha_a = 0.45 (L^*)$	$\alpha_a = 0.55 (LM^*)$	Noise reduction coefficient	NRC = 0.65					
				NRC = 0.75					

Material with absorption coefficients risen to medium (M) and low (L) frequencies.

Fresco DG

Studied Data

Dimensions **600 X 600 mm**
 Diameter **2, 4, 6, 8 y 10 mm**
 Performations **1.156**

Perforation percentage **19/27%**

Perforation-available **2 mm, 4 mm, 6 mm, 8 mm, 10 mm y 12 mm**

Perforation percentage **19/27%**

Support materials

- MDF Metamine 12/16 mm**
- MDF Wood veneered 13/16 mm**
- Plywood 13/16 mm**
- HPL Phenolic compact 10/12 mm**

Special support materials

Consult

Phono-absorbent layer

Black acoustic fabric attached to the 0,25 mm back

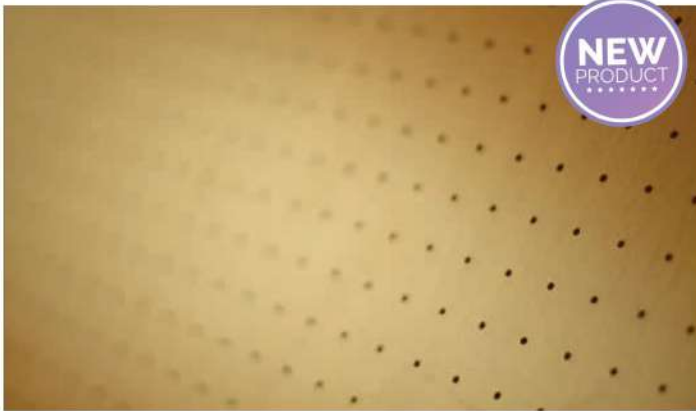
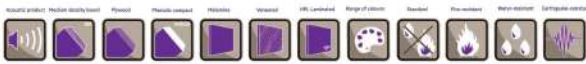
Dimensions

Ceiling paneling 600/1200 x 600 mm and 610/1220 x 610 mm
 Wall paneling 2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm

Tolerance

Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark

Micro Perfo



Standard melamines

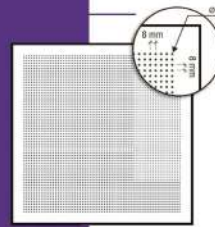


Standard wood veneer panels



More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

Micro Fresco 8

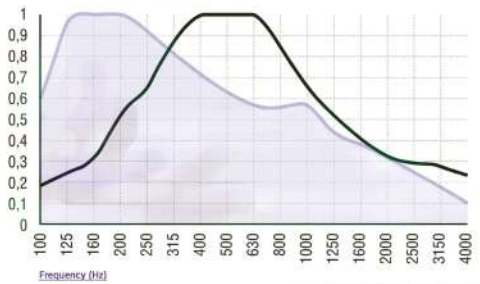


Studied data

Dimensions 600 X 600 mm
Diameter 2 mm
Perforations 4.225

Perforation percentage 1,87%

Absorption coefficient



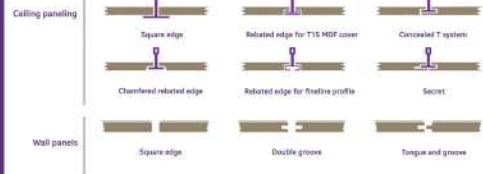
F (Hz)	125	250	500	1000	2000	4000
α_a	0,90	0,83	0,63	0,52	0,31	0,11
α_m	0,25	0,69	1,00	0,68	0,34	0,24















Medium acoustic absorption coefficient
 $\alpha_a = 0,75$
 $\alpha_m = 0,72$

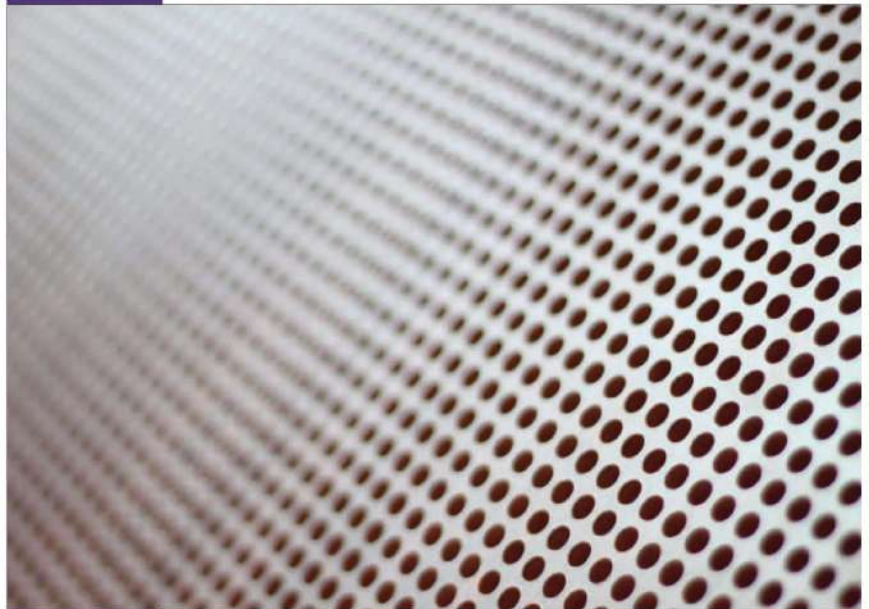
Average acoustic absorption coefficient
 $\alpha_a = 0,25 (LM^*)$
 $\alpha_m = 0,35 (LM^*)$

Noise reduction coefficient
NRC = 0,60
NRC = 0,70

Material with absorption coefficient rises to medium (M) and low (L) frequencies.



Support materials	  MDF Metamine 12/16 mm	 
	  MDF Wood veneered 13/16 mm	 
	  Plywood 13/16 mm	 
	  HPL Phenolic compact 10/12 mm	 
Special support materials	Consult	
Phono-absorbent layer	Black acoustic fabric attached to the 0,25 mm back	
Dimensions	Ceiling paneling	600/1200 x 600 mm and 610/1220 x 610 mm
	Wall paneling	2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm
Tolerance	Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark	



Acoustic performance is not incompatible to aesthetics. Micro-Perfo, a panel with over 11,000 micro-drills per square meter, gets an excellent acoustic finishing respecting the original aesthetics of the space. Invisible acoustics.



Standard melamines



Standard wood veneer panels



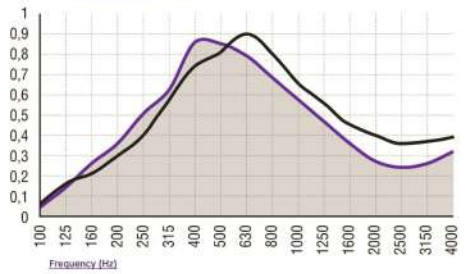
More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



Studied data

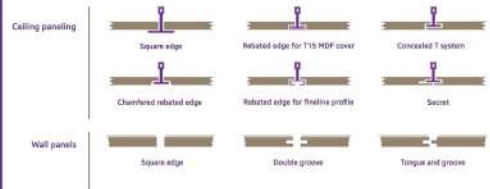
Dimensions	600 X 600 mm
Slot	10 x 65 mm
Number of slots	102
Perforation percentage	17,81%
Slot-available	4 mm, 6 mm, 8 mm y 16 mm








Absorption coefficient



F (Hz)	125	250	500	1000	2000	4000														
Medium acoustic absorption coefficient	$\alpha_m = 0,60$	$\alpha_m = 0,65$	<table border="1"> <tr> <td>α</td> <td>0,15</td> <td>0,50</td> <td>0,84</td> <td>0,58</td> <td>0,29</td> <td>0,29</td> </tr> <tr> <td>α</td> <td>0,14</td> <td>0,42</td> <td>0,82</td> <td>0,67</td> <td>0,40</td> <td>0,38</td> </tr> </table>				α	0,15	0,50	0,84	0,58	0,29	0,29	α	0,14	0,42	0,82	0,67	0,40	0,38
α	0,15	0,50	0,84	0,58	0,29	0,29														
α	0,14	0,42	0,82	0,67	0,40	0,38														
Average acoustic absorption coefficient	$\alpha_a = 0,60$ (M*) $\alpha_a = 0,60$																			
Noise reduction coefficient	$NRC = 0,55$ $NRC = 0,60$																			

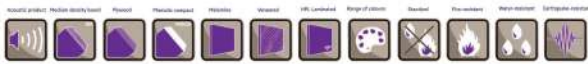
Material with absorption coefficient rises to medium, HI frequencies.



Support materials		MDF Melamine 12/16 mm	
		MDF Wood veneered 13/16 mm	
		Plywood 13/16 mm	
		HPL Phenolic compact 10/12 mm	
Special support materials	Consult		
Phono-absorbent layer	Black acoustic fabric attached to the 0.25 mm back		
Dimensions	Ceiling paneling	600/1200 x 600 mm and 610/1220 x 610 mm	
	Wall paneling	2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm	
Tolerance	Width: +/- 1.5 mm // Length: +/- 1.5 mm. According to the EC Mark		



The slotted range is the favorite one in restaurants both because of the perfection of its aesthetic lines, which brings out some aspects such as elegance and prestige as well as the magnificent acoustic absorption through its peculiar perforation types. ST32 is the perfect balance among space and material.



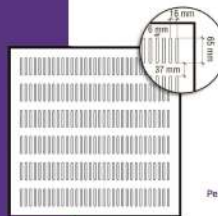
Standard melamines



Standard wood veneer panels

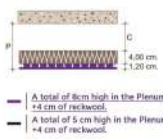


More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



Studied data

Dimensions	600 X 600 mm
Slot	6 x 65 mm
Number of slots	198
Perforation percentage	19,71%
Slot available	4 mm, 6 mm, 8 mm y 10 mm

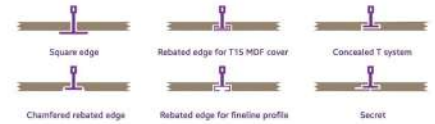


Absorption coefficient



Medium acoustic absorption coefficient	$\alpha_m = 0,60$	$\alpha_w = 0,65$	<table border="1"> <tr> <th>F (Hz)</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> <tr> <td>α_m</td> <td>0,17</td> <td>0,46</td> <td>0,81</td> <td>0,59</td> <td>0,33</td> <td>0,33</td> </tr> <tr> <td>α_w</td> <td>0,14</td> <td>0,42</td> <td>0,76</td> <td>0,60</td> <td>0,44</td> <td>0,43</td> </tr> </table>	F (Hz)	125	250	500	1000	2000	4000	α_m	0,17	0,46	0,81	0,59	0,33	0,33	α_w	0,14	0,42	0,76	0,60	0,44	0,43
F (Hz)	125	250	500	1000	2000	4000																		
α_m	0,17	0,46	0,81	0,59	0,33	0,33																		
α_w	0,14	0,42	0,76	0,60	0,44	0,43																		
Average acoustic absorption coefficient	$\alpha_a = 0,60$	$\alpha_a = 0,65$	<table border="1"> <tr> <td>Noise reduction coefficient</td> <td>NRC = 0,55</td> </tr> <tr> <td></td> <td>NRC = 0,60</td> </tr> </table>	Noise reduction coefficient	NRC = 0,55		NRC = 0,60																	
Noise reduction coefficient	NRC = 0,55																							
	NRC = 0,60																							









Ceiling paneling



Wall panels



Support materials

	MDF Melamine 12/16 mm	
	MDF Wood veneered 13/16 mm	
	Plywood 13/16 mm	
	HPL Phenolic compact 10/12 mm	

Special support materials

Consult

Phono-absorbent layer

Black acoustic fabric attached to the 0.25 mm back

Dimensions

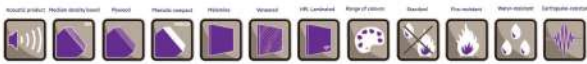
Ceiling paneling 600/1200 x 600 mm and 610/1220 x 610 mm
Wall paneling 2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm

Tolerance

Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark



The ST16 has the best acoustic absorption coefficient in the slotted range. Its behaviour when combined with absorbing elements creates a high technical valued set together with all the components of a well cared image.



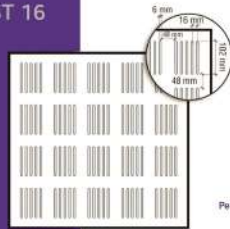
Standard melamines



Standard wood veneer panels



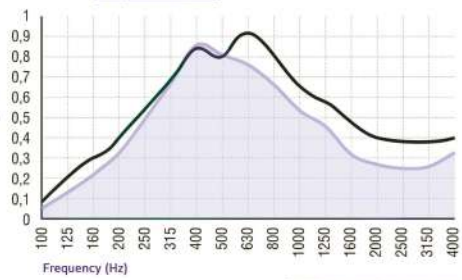
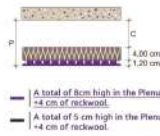
More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



Studied data

Dimensions Slot 600 X 600 mm
Slot 6 x 102 mm
Number of slots 100
Perforation percentage 16,12%
Slot available 4 mm, 6 mm, 8 mm y 10 mm

Absorption coefficient



F (Hz)	125	250	500	1000	2000	4000
α_w	0,12	0,49	0,81	0,55	0,27	0,29
α_a	0,22	0,54	0,86	0,67	0,41	0,39

Medium acoustic absorption coefficient



$\alpha_w = 0,55$
 $\alpha_a = 0,65$

Average acoustic absorption coefficient



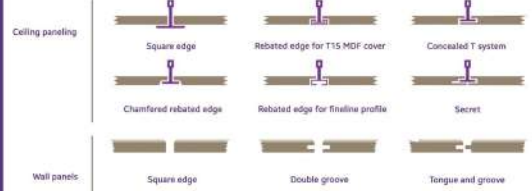
$\alpha_w = 0,55$ (M*)
 $\alpha_a = 0,65$

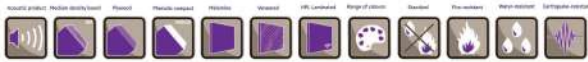
Noise reduction coefficient



NRC = 0,55
NRC = 0,60

Material with absorption coefficients rises to medium (M) frequencies.





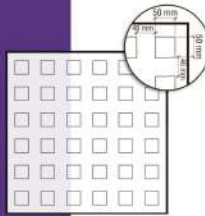
Standard melamines



Standard wood veneer panels



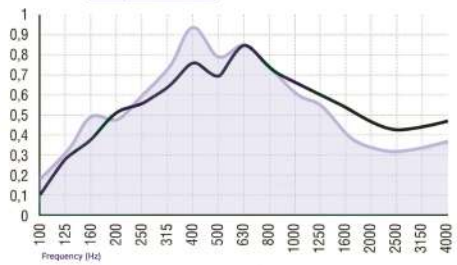
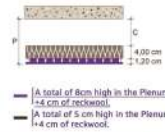
More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.



Studied data

Dimensions	600 X 600 mm
Square perforated	50 x 50 mm
Number of Square perforated	36
Perforation percentage	25%

Absorption coefficient



thefture acoustic absorption coefficient

$\alpha_w = 0.60$
$\alpha_{0.5} = 0.65$

F (Hz)	125	250	500	1000	2000	4000
α_w	0.33	0.60	0.86	0.63	0.36	0.36
$\alpha_{0.5}$	0.25	0.57	0.77	0.67	0.48	0.46

Average acoustic absorption coefficient

$\alpha_w = 0.65$
$\alpha_{0.5} = 0.65$

















Noise reduction coefficient: $NRC = 0.60$
 $NRC = 0.60$

Ceiling paneling



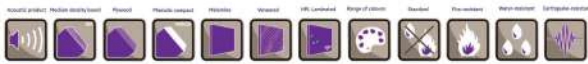
Wall panels



Support materials	  MDF Melamine 12/16 mm	 
	  MDF Wood veneered 13/16 mm	 
	  Plywood 13/16 mm	 
	  HPL Phenolic compact 10/12 mm	 
Special support materials	Consult	
Phono-absorbent layer	Black acoustic fabric attached to the 0.25 mm back	
Dimensions	Ceiling paneling	600/1200 x 600 mm and 610/1220 x 610 mm
	Wall paneling	2430 x 600 mm, 1200 x 600 mm and 600 x 600 mm
Tolerance	Width: +/- 1.5 mm // Length: +/- 1.5 mm. According to the EC Mark	



The Square perforated model is the panel which, nowadays, has a higher percentage of perforation on its surface. It allows us to significantly increase the absorption levels depending on the plenum resulting space and add products such as the fiberglass, polyester and rockwool. It is important to remember that the Sonascapes panels may be finished in wood, raw, colour tones and even include images and in really small prints. Consult us.



Standard melamines



Standard wood veneer panels

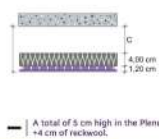
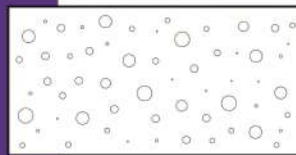


More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

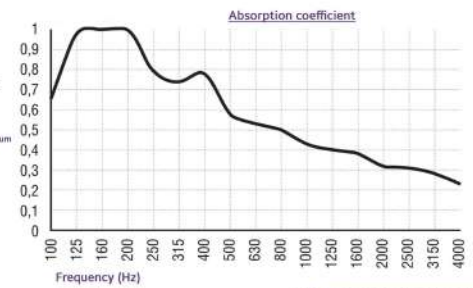
Cosmos

Studied data

Dimensions 600 X 1200 mm
 Diameter -
 Perforations 59
 Perforation percentage 6'01%

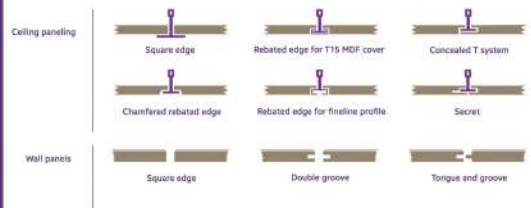


A total of 5 cm high in the Plenum + 4 cm of rockwool.



F (Hz)	125	250	500	1000	2000	4000
Medium acoustic absorption coefficient α_m	0.45					
Average acoustic absorption coefficient α_a	0.40 (LM ²)					
Noise reduction coefficient (NRC)	0.55					

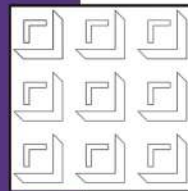
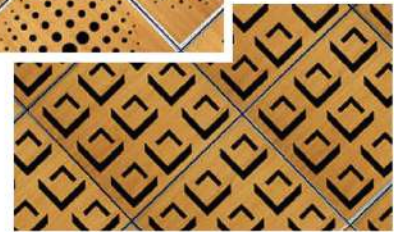
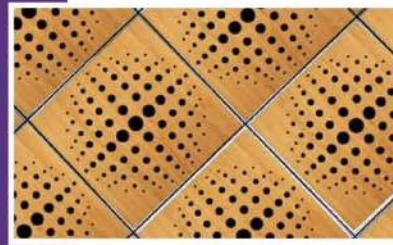
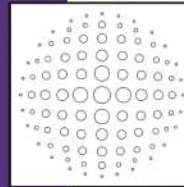
Material with absorption coefficients rises to medium (M) and low (L) frequencies.



Sphere

Studied data

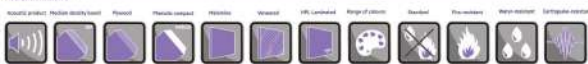
Dimension	600 X 600 mm
Diameter	
Perforation	97
Perforation percentage	10,65%



Linex

Dimensions	600 X 600 mm
Slot 1	17 x 125 mm
Slot 2	30 x 250 mm
Number of slot 1	9
Number of slot 2	9
Perforation percentage	24'06%

- Support materials**
- MDF Melamine 12/16 mm
 - MDF Wood veneered 13/16 mm
 - Plywood 13/16 mm
 - HPL Phenolic compact 10/12 mm
- Special support materials**
- Consult
- Phono-absorbent layer**
- Black acoustic fabric attached to the 0,25 mm back
- Dimensions**
- Ceiling paneling **Cosmos:** 1200 x 600 mm // **Esfera and Lego:** 600 x 600 mm
- Wall paneling **Cosmos:** 1200 x 600 mm // **Esfera and Lego:** 600 x 600 mm
- Tolerance**
- Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark



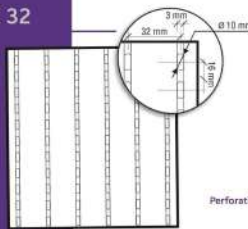
Standard melamines



Standard wood veneer panels



More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

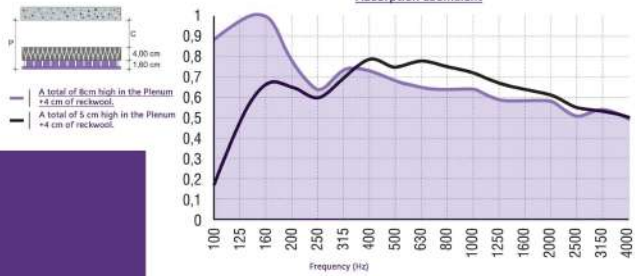


Studied data

Dimensions	2430 x 160 x 16 mm
Slot	3 mm
Diameter	10 mm
Slot available	2 mm, 3 mm, 4 mm

Perforation percentage | 5,73%

Absorption coefficient



Medium acoustic absorption coefficient



$\alpha_m = 0,60$

F (Hz)	125	250	500	1000	2000	4000
α	0,97	0,72	0,89	0,62	0,56	0,52
α	0,44	0,65	0,77	0,71	0,60	0,50

Average acoustic absorption coefficient



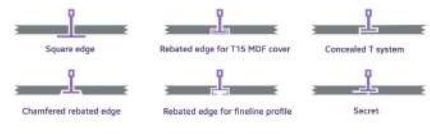
$\alpha_a = 0,70$

Noise reduction coefficient



NRC = 0,65

Ceiling paneling



Wall panels



Support materials

	MDF Melamine 16 mm	
	MDF wood veneered 16 mm	
	Plywood 16 mm	
	HPL Phenolic compact 16 mm	

Special support materials

Consult

Phono-absorbent layer

Black acoustic fabric attached to the 0,25 mm back

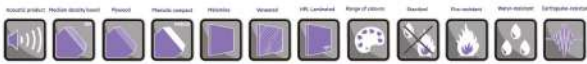
Dimensions

Ceiling paneling 600 x 600 x 16 mm / 2430 x 160 x 16 mm
Wall paneling 2430 x 160 x 16 mm

Tolerance Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark



The Sonascapes product line is aimed to the highest-level technical factor. It has been created to be used both in rooms demanding well cared acoustic as well as in rooms such as our living-room or our own Home Theatre. Take advantage of all the possibilities of the present audiovisual technology. Sonascapes 32 is the medium-end product of the Sonascapes set. Its standard format is 2430mm x 160mm x 16mm, but it can also be manufactured for accessible ceilings of 600mm x 500mm.



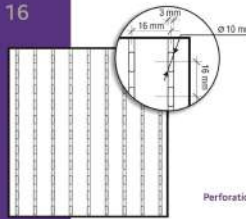
Standard melamines



Standard wood veneer panels



More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

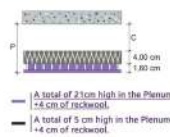


Studied data

Dimensions 2430 x 160 x 16 mm
Slot 3 mm
Diameter 10 mm

Perforation percentage 5.73%

Slot available 2 mm, 3 mm, 4 mm

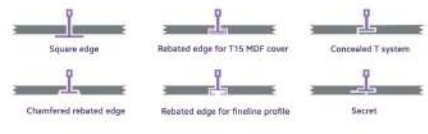


Absorption coefficient



	F (Hz)	125	250	500	1000	2000	4000
Medium acoustic absorption coefficient	α_w	0.78	0.89	0.75	0.83	0.70	0.64
	α_a	0.85	0.33	0.67	0.90	0.89	0.74
Average acoustic absorption coefficient	α_w	0.88					
	α_a	0.85					
Noise reduction coefficient	NRC	0.75					
	NRC	0.80					









Ceiling paneling



Wall panels



Support materials

	MDF Melamine 16 mm	
	MDF wood veneered 16 mm	
	Plywood 16 mm	
	HPL Phenolic compact 16 mm	

Special support materials

Consult

Phono-absorbent layer

Black acoustic fabric attached to the 0,25 mm back

Dimensions

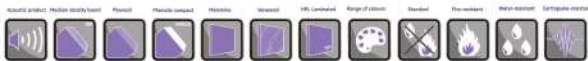
Ceiling paneling 600 x 600 x 16 mm / 2430 x 160 x 16 mm
Wall paneling 2430 x 160 x 16 mm

Tolerance

Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark



When we are absorbed in the search of high demanding acoustic solutions, Sonascapes16 is our leading product. An acoustic behavior with a wide frequency range turns it into the wide frequency range turns it into the favorite product for most professionals in the industry. Remember the Sonascapes system can be installed in the ceiling and wall paneling.



Standard melamines

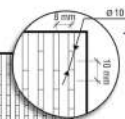


Standard wood veneer panels



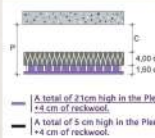
More finishes may be available, please see the catalogue of colours, melamines and natural wood panels.

Linex 8



Studied data

Dimensions | 2430 x 160 x 10 mm
Slot | 3 mm
Diameter | 10 mm
Perforation percentage | 19,00%
Slot available | 2 mm, 3 mm, 4 mm

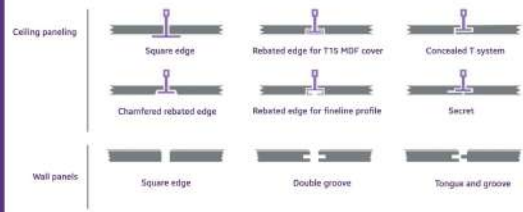










A total of 21cm high in the Plenum + 4 cm of rockwool.
A total of 5 cm high in the Plenum + 4 cm of rockwool.

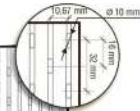


F (Hz)	125	250	500	1000	2000	4000
α_w	0,87	0,99	0,82	0,71	0,65	0,75
α_a	0,24	0,49	0,90	0,84	0,74	0,75

Medium acoustic absorption coefficient $\alpha_w = 0,75$
Average acoustic absorption coefficient $\alpha_a = 0,80$



Support materials		MDF Melamine 16 mm	
		MDF wood veneered 16 mm	
		Plywood 16 mm	
		HPL Phenolic compact 16 mm	
Special support materials	Consult		
Phono-absorbent layer	Black acoustic fabric attached to the 0,25 mm back		
Dimensions	Id 8 / Id 11	2430 x 160 x 16 mm / 600 x 16 mm	
	Id 64	2430 x 256 x 16 mm / 600 x 16 mm	
Tolerance	Width: +/- 1,5 mm // Length: +/- 1,5 mm. According to the EC Mark		

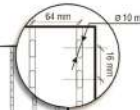


Studied data

Perforation percentage | **8,60%**

Dimensions | 2430 x 160 x 16 mm
Slot | 3 mm
Diameter | 10 mm

Slot-available | 2 mm, 3 mm, y 4 mm

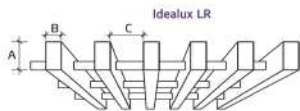
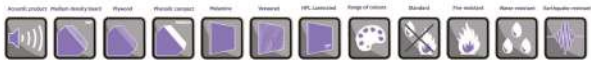


Studied data

Perforation percentage | **2,87%**

Dimensions | 2430 x 256 x 16 mm
Slot | 3 mm
Diameter | 10 mm

Slot-available | 2 mm, 3 mm, y 4 mm



Custom-made

A Wood slat height
B Wood slat width
C Spacing between wood slats

Great range of available woods

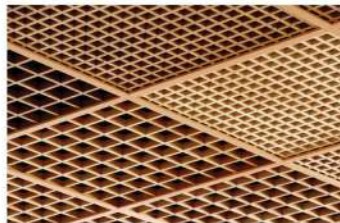


Optional supplements Acoustic fabric / Ecotex products
Finishes Colourless varnish, dyed wood or colour lacquer
Melamine, veneered or edged

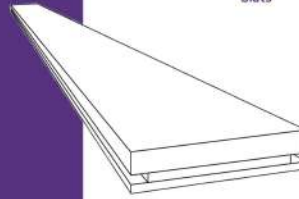
Resonance material
It is a selective absorbent material with a high absorption coefficient at a determined frequency, which depends on the panel's dimensions and configuration.
You can reach a high level of acoustic performance by combining Sonalux with ecotex



Materials



Slats



Dimensions | 90/140 x 3000* x 19 mm
Thickness | 19 mm

Optional supplement | Grooved acoustic fabric

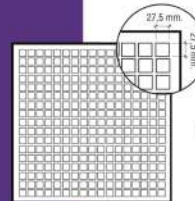
Finishes | Colourless varnish, dyed wood or colour lacquer
Melamine, veneered o edged

Panel Edge Design



Maximum length

Grid 27



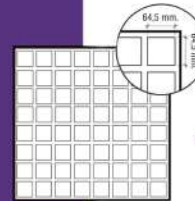
Dimensions | 600/1200 x 600 x 19 mm
Square perforated | 27,5 x 27,5 mm
Number of square perforated | 256

Perforation percentage | 53,80%

Optional supplement | Acoustic fabric or Ecotex product

Finishes | Colourless varnish, dyed wood or colour lacquer. Melamine, veneered o edged

Grid 64



Dimensions | 600/1200 x 600 x 19 mm
Square perforated | 64,5 x 64,5 mm
Number of square perforated | 64

Perforation percentage | 73,96%

Optional supplement | Acoustic fabric or Ecotex product

Finishes | Colourless varnish, dyed wood or colour lacquer. Melamine, veneered o edged



Digital image print on acoustic fabric

Characteristics

- Recycled polyester fiber core covered by a decorative acoustic fabric.
- Wide range of thicknesses and formats in some products.
- Impact-resistant.
- 100% recyclable.
- Round or square angles depending on product.
- Maximum absorption: Acoustic absorption coefficient from 0,85 to 1.
- Wide range of colours.
- Long lifespan.
- Easy installation

Material Characteristics

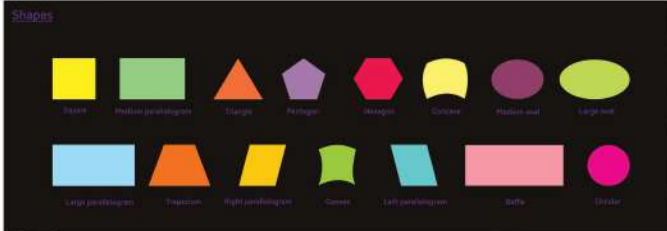
- Easy manipulation and cut.
- Harmless. No skin irritation.
- It does not give off particles.
- Water-resistant and rot-proof.
- It does not fray.
- Dust-resistant.
- Acoustic fabric easily cleaned.

Measures

600 x 600 mm.
600 x 1200 mm.
1000 x 1200 mm.
Circulars: 700; 900; 1200 mm.
Different thickness from 10 mm to 75 mm depending on the model.
Consult for other measures.

Applications

Acoustic refinishing of a room. They help controlling the reverberation time in a room, diminishing the possibility of non-wanted acoustic phenomena. Ideal for small offices, meeting rooms, classrooms, halls, home cinema, recording booths, broad spaces, restaurants.



Medium acoustic absorption coefficient $\alpha_m = 1,00$

Average acoustic absorption coefficient $\alpha_a = 1,00$

Noise reduction coefficient $NRC = 1,00$

F (Hz)	125	250	500	1000	2000	4000
α	0,69	0,95	1,00	1,00	0,99	0,93

Characteristics

- Floating ceilings.
- Recycled polyester fiber cores covered with a high quality acoustic fabric.
- Fire-resistant.
- 100% Recyclable.
- Water-resistant and rot-proof.
- Quick and easy installation. Its corresponding kit is provided.
- High absorption capacity.
- Accessible and removable panels.
- Formats: concave, convex and straight.

Measures:

- 600 x 1200/1800/2400 mm
- 1200 x 1200 mm
- 1000 x 1800/3000 mm
- Consult for other measures
- Different thickness from 35 mm to 50 mm depending on the model.

Applications

It is a modern solution for offices, call centres, Libraries, factories, shopping centres, cinemas and airports.

Ideal to increase acoustic absorption in any space.

Panels allow

- Reducing reverberation times.
- Adjusting noise levels.
- Improving intelligibility.
- Delimiting spaces, enhancing zones, catching attention.
- Getting an acoustic absorption for spaces where other solutions are not viable.



Installation Guides





Description

Removable ceiling panels are in metallic profile system which creates a framework where panels lie.

Our company's quality department has carried out rigorous controls guaranteeing that our product's features comply with all quality specifications in force.

Sonascapes offers ceiling construction solutions for any type of need, therefore it is necessary to have some aspects in mind when choosing among the range of products.

PROFILE AND EDGING SYSTEMS

Sonascapes accessible ceilings are installed with our T24/T15 profile system.

Sonascapes profile systems make it possible to install a ceiling with square, rebated and concealed edges. These systems comply with corrosion and fire resistance requirements.

No special tools are needed to mount it because primary and secondary profiles are assembled by simply placing pressure on them.

Ceiling edges



Standard square edge



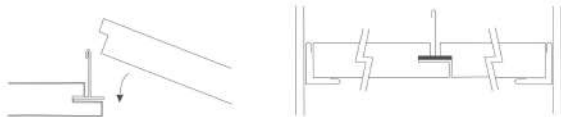
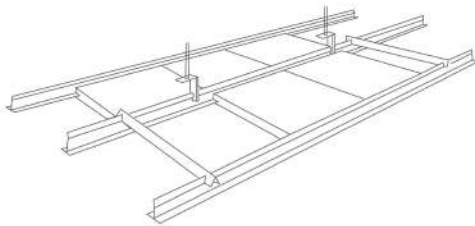
HEIGHT AND ANGULAR AND PRIMARY PROFILES PLACEMENT

1. Mark the perimeter on the face where the angular profile shall be placed using a water or laser level.
2. Reinforce the angular profile on the line with screws every meter and a half, using plugs if it is mortar or concrete, or every 60 or 80 cm with nails no plug if it is covered with plaster or drywalls made of gypsum planks or boards.
3. Mark the lines on the ceiling that shall run parallel to the primary profiles and the anchoring points for the hooks. Each of these shall be separated by approximately one meter.
4. Keep in mind that depending on the measurements of the room, panels may have to be cut. That is, calculate the measurements in multiples of 60 to see if entire panels shall be used.
5. If it is not the case, but you want to use entire panels, you shall need to first install a perimeter band with plaster or laminated plaster. Secure a primary profile instead of an angular profile on the inner edge of the band.
6. If you need to hang lights, additional hooks shall be required.
7. Once the system has been chosen, mark the point on the line where the drill hole for plug shall be made.
8. Once this is finished, hang the threaded rods after they have been cut to the desired measurement.
9. Start placing the primary profiles with the corresponding fasteners and level them. Mount the structure by simultaneously installing the secondary profiles. Install a few panels to make sure the structure is square.
10. Once you are sure that everything is correct, do the final leveling and install the remaining panels.

Concealed profiles

DIFFERENCE FOR CONCEALED PROFILES

1. The primary profiles shall always be installed at 60 cm from one another.
2. Insert the hooks in the profile before hanging them as with standard profiles.
3. In order to fix the primary profiles so that they do not get open and the panels do not fall down, 60 cm gauges or secondary profiles shall be used. In both cases, these piece will be placed approximately every 3 panels and alternately, to give a stronger structure.
4. Once they have installed, press the ends inwards so that they do not stick out.
5. It is very important in this case the profiles to be perfectly parallel, as any small error at the beginning can become in several centimeters at the end.
6. Install the panels all along the profiles by first supporting the side with the slot and then dropping the panel gently until it is supported on the rebated edge.





Description

All Sonascapes wall panels offer construction solutions for any type of need, therefore, it is necessary to have some aspects in mind when choosing among the range of products. Our company's quality department has carried out rigorous controls guaranteeing that our products features comply with all quality specifications in force.

Mounting Systems

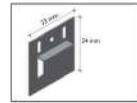
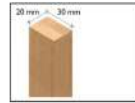
In addition to panels, Sonascapes has developed two mounting systems for wall paneling. These two systems are defined and explained below.

Wall panels profiles

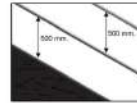


This system is comprised of pinewood.

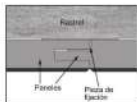
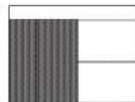
Mounting system with pinewood batten strips and fixing cleats to secure Sonascapes panels to the strips.



To install this system, start by securing the pinewood batten, placing them in a horizontal position and leaving approximately 50-60 cm between each strip as shown in the image.

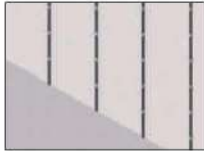


Once the strips have been placed, install the Sonascapes panels. Install the panels and insert a fixing cleat at the top of each strip. Continuously check that the panels are leveled.



Mounting system with metal profiles

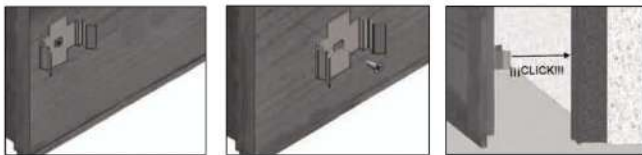
To install the wall paneling with metal profiles, secure the profiles at a distance of 60 cm from each other.



Once the profiles have been installed, insert the corresponding fixing cleats. The installation procedure for these parts is as shown in the following images, just rotating them.



When the fixing cleats have been inserted, install the panels. The first panel must be secured using start / end fittings.



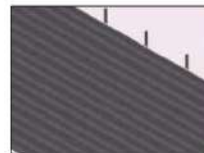
The next step is to secure the upper part of the panel with the fixing cleats by inserting them into the panel groove as shown below.



Once the first panel has been secured, install the following one by inserting the panel tongue into the groove of the one that has already been secured as shown in the image.

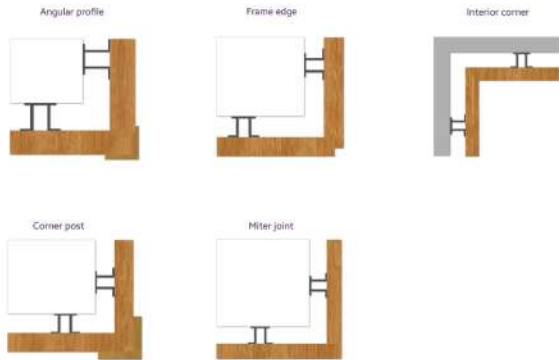


Install all the panels in this way until the wall paneling is finished.



If the paneling reaches up the ceiling, the last panel must also be secured with start / end fittings.

Construction systems and finishing accessories



How profile systems affect wall paneling per m²

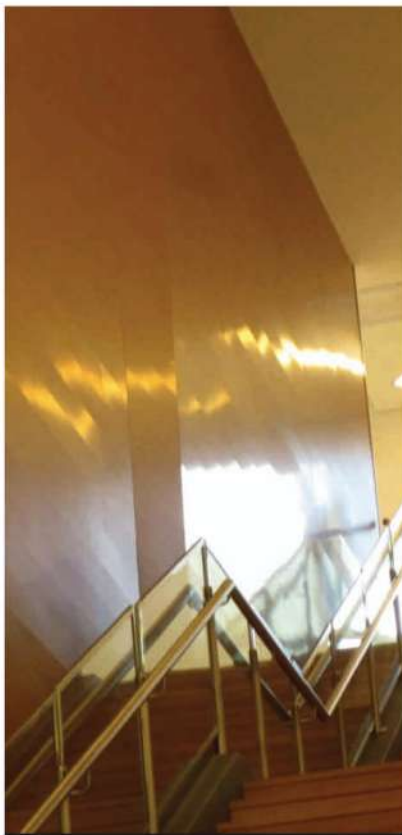
In pinewood strips

Component	600 x 600	1200 x 600	2430 x 600
Pinewood strip	3,35 m.l.	2,5 m.l.	2,06 m.l.
Fixing cleat	5,6 Pieces	4,2 Pieces	3,5 Pieces

In metal profiles

Component	600 x 600	1200 x 600	2430 x 600
Metal profile	3,35 m.l.	2,5 m.l.	2,06 m.l.
Fixing cleat	5,6 Pieces	4,2 Pieces	3,5 Pieces
Start/end fitting	1 Pieces	1 Pieces	1 Pieces





Sonacoustic panel

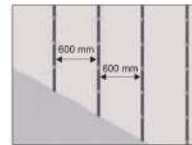


Sonacoustic collection is comprised of 2430 mm long panels perforated on the square edge with longitudinal canals of 2, 3 or 4 mm of thickness. The opposite side features 10 mm diameter blind holes.

All Sonacoustic panels have in the non square edge our acoustic thermo-attached fabric to improve the panel's acoustic absorption.

Mounting system - wall panels

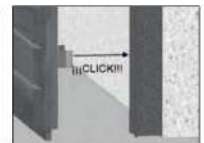
The first step when installing Sonacoustic wall panels is to secure the metal profiles to the wall approximately at 600 mm apart from each other.



Once the profiles have been installed, insert the corresponding fixing cleats. This installing procedure is done as indicated in the images below, simply by rotating them.



When the fixing cleats have been inserted, the panels can be installed. The first panel must be secured using start / end fittings.



The next step is to secure the upper part of the panel with the fixing cleats by inserting them into the panel groove as shown below.



Once the first panel has been secured, install the next one by inserting the panel tongue into the groove of the one that has already been secured as shown in the image.



Assemble all the panels in this way successively until finishing the wall paneling.

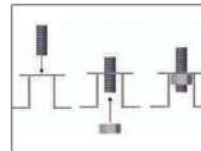


If the paneling is to be flush with the ceiling, the last panel must also be secured with start/end fittings.

Mounting systems - Ceilings

The procedure to mount the Sonacoustic ceiling panels is the following.

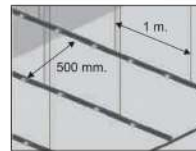
First, secure the threaded rods to the ceiling at approximately 500 mm from each other using expansion plugs. The distance between profiles must be 500 mm maximum, whereas the distance between the rods for the same profile shall be 1 m maximum. Next, install the profile by inserting the threaded rods in the holes punched in them and securing them with a nut, as shown below.



As soon as all the profiles have been mounted, install the perimeter angle which should be secured at a distance of 18 mm below the profile.

PROFILE CONNECTOR :

We have created this connecting piece for the profile to have more stability in the metal structure.



Once all the profiles have been installed and fixing cleats secured, the Sonacoustic panels can be mounted. The first panel is mounted by supporting the end of the tongue into the angular profile and then anchoring it using fixing cleats. We recommend cutting the tongue part on the first panel in order to create a large support surface for the panel.

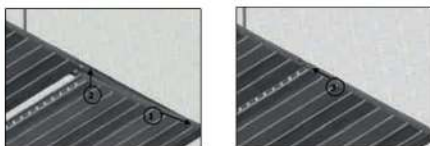


The next panel and all the successive ones are installed by inserting the tongue part into the already secured panel and then securing it using the fixing cleats.



To install the final panel, do as indicated in the following images:

- 1_ First, support the groove part into the angular profile.
- 2_ Then, lift the tongue on the panel opposite the one already installed.
- 3_ Next, insert the tongue into the groove on the panel already installed.



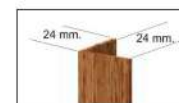
Construction systems and finishing accessories

Sonascapes, eager to meet all the needs of all our clients, has designed construction systems and finishing accessories for a better finish and to make our product more versatile.

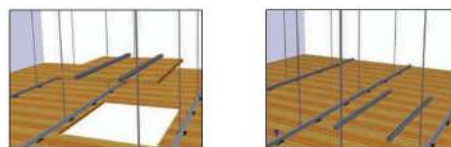
Corner cover:
This is a MDF piece covered with our melamine.



Covered profile:
A 24 x 24 mm metal angle covered with the same melamine as the panels.



Register grille:
In order to facilitate access to possible inspections that may be on the ceiling, we suggest installing a grille when paneling the ceiling. This accessible system is easy and quick. The panels must be cut in the desired size and secured on the back with two profiles.



Construction systems and finishing accessories

Angular profile



Frame edge



Interior corner



Corner post



Miter joint



How profile systems may affect ideacoustic per m²

	Metal profile	Fixing cleats	Start/end fittings
Metal profile wall paneling	0,8 m.l.	13,0 Units	1 Units

	Metal profile	Fixing cleats	Threaded rod	Plug	Nut
Metal profile ceiling paneling	1,9 m.l.	13 Units	1,9 Units	1,9 Units	1,9 Units

	Pinewood strip	Strip fixing cleats
Pinewood strip wall paneling	19 m.l.	13 Units





Slats

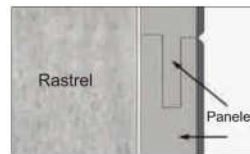
DESCRIPTION

The hardwood panels' collection is comprised of hardwood panels in different formats for wall and ceiling paneling. Two mounting systems have been developed—a fixed one and a removable one. Our company's quality department has carried out rigorous controls that guarantee our products features, which comply with all current quality specifications in force. These two aforementioned systems are defined and explained below.

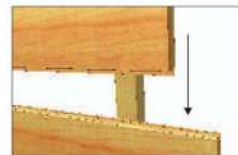
The first step to install the hardwood panels is to secure the pinewood strips at approximately 600 mm apart from each other for wall paneling and 500 mm for ceiling paneling.



Once the strips have been installed, install the panels. The first wood slat is secured to the strip on the top and bottom with tacks or fixing cleats (the upper end of the panel is inserted into the groove as shown in the image).



Once the first panel has been installed, install the next one by inserting the panel tongue into the groove of the panel already installed as shown in the image. That way, we can successively assemble all the panels until the wall is completely paneled.

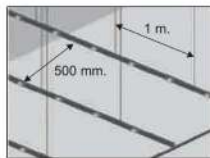


Double groove removeable system - Ceilings

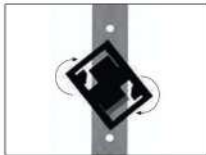
The procedure to mount this system is the following. This first step to install the hardwood slats is to secure the metal profiles at approximately 600mm apart from each other.

PROFILE CONNECTOR:

We have created this connecting piece for the profiles to have more stability in the metal structure.



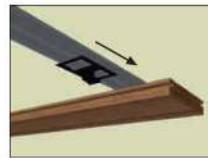
Once all the profiles have been installed, insert the corresponding fixing cleats. The installation procedure for these parts is as indicated in the following images, you just have to rotate them.



When the fixing cleats have been inserted, install the panels. The first panel must be installed using a few start fittings.



The next step is to attach the panel by inserting a double groove fixing cleat in the panel's groove, as shown below.



After fixing the first panel, install the next one by inserting one of the grooves into the double groove fixing cleat which supports the other panel, as shown in the image.



Once the installation is finished, install the acoustic fabric by inserting it into the hollow between one groove and the other.



If you need to remove the wood slats, replace the double groove fixing cleats. This piece shall be installed in the ceiling parts due to be inspected to have access to the plenum as shown in the following images.



Sonalux

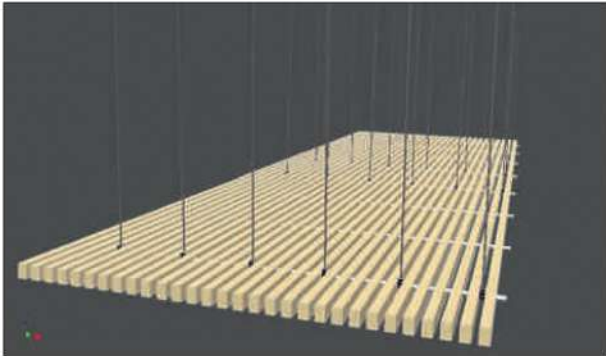
DESCRIPTION

The Sonalux system is a lineal system of hardwood panels creating open spaces between them, both for wall and ceiling paneling. Two different mounting systems have been designed for Sonascapes, tongue and groove "Sonascapes LR" and square edge "Sonascapes LT". Our Sonascapes system allows you measuring and adjusting them, as well as defining its own shape because you can choose among totally plan panels or curve panels. Sonascapes implements with idealux panels the laminated wood technology which assures the stability of pieces, despite its 100% natural hardwood character.

Mounting systems - Ceiling

Sonalux LR - Tongue and groove system

Replan the axis where the 6 mm threaded rods shall be inserted at the appropriate distance depending on the selected panel (we advise a maximum of 600 mm in the cross direction and 900 mm in the longitudinal one).

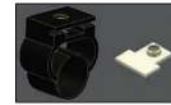


Consider the following load limits recommended for any hook unit (considered value for the Sonalux fixing cleat in a total vertical force). Check the limit values for the other elements to be used such as the threaded rods, expansive plugs, etc. Maximum limit 30kg per fixing unit. We advise 20kg per fixing unit.

Replan and draw the perforations with the appropriate diameter to the expansive plug used in the 6 mm rod. The distance between each other shall be previously decided according to point 1 and 2. The points where the perforations are made shall be compact and resistant enough to bear the estimated load.

If there is not a concrete structure where we can fix the expansive plugs, we shall find other proper solutions to the forge or the element we have.

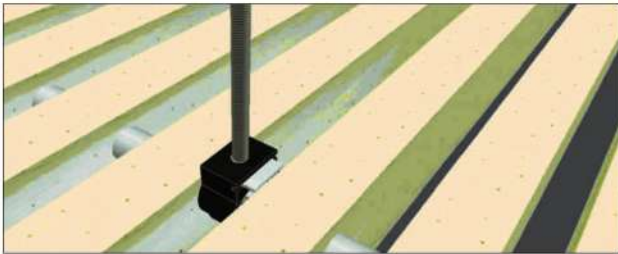
Place the 6 mm threaded rods with the necessary hanging space to reach the installation level of our false ceiling. level the rods with a level laser or any equivalent tool. If you have to cut the threaded rod's height, be careful the rod is not spoiled and you still can screw the piece in the M6 adjustment. Insert the M6 adjustment piece in the idealux fixing cleat that way - place the projecting part of the thread of the metal piece to the circular part of the idealux fixing cleat until it makes contact with the plastic tab.



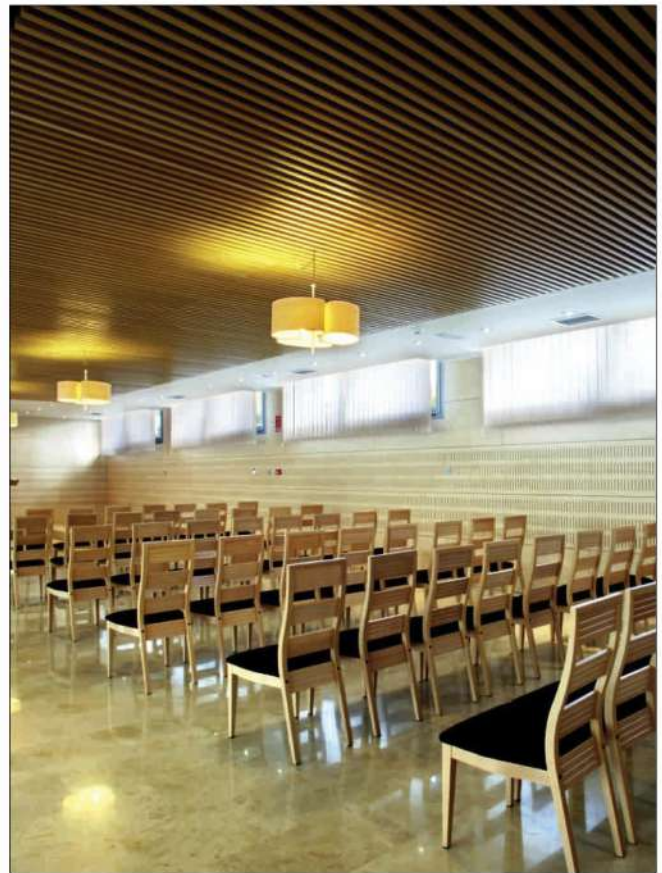
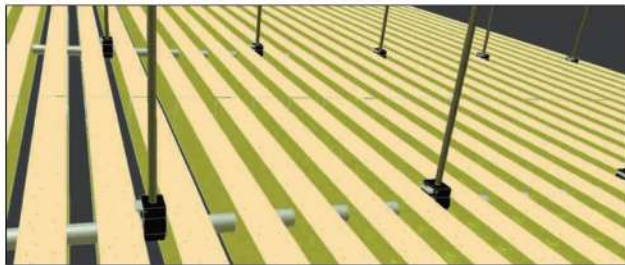
Place the Sonalux fixing cleats in every rod, screwing them counter clockwise with a M6 adjustment piece. Secure and/or keep the level.



Install the Sonalux panels in the wanted position with the idealux fixing clip. Introduce the round strip of the panel inside the Sonalux clip, until you secure its closing as much as possible. You must use the multi-position jagged closing.



If you want the joints among the panels' head to be more rigid, you can use plan metal elements placed in the non square edge of the panel by using the appropriate screws. This operation is not essential.



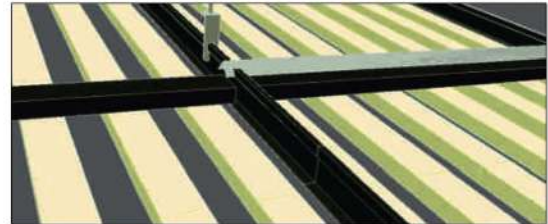
Sonalux LT - Square edge system

Height and placement of the angular and primary profiles



Mark the perimeter on the face where the angular profile of the edge shall be placed using water or laser level.
 Reinforce the angular profile on the line with screws every meter or meter and half, using plugs if it is mortar or concrete, or every 60 or 80 cm with nails and no plug if it is covered with plaster or laminated plaster.
 Mark the line on the ceiling that shall run parallel to the primary profiles and the anchoring points for the hooks. Each of these shall be separated by approximately one meter.
 Keep in the mind that depending on the measurements of the room, the Idealux piece must be made.
 Once the system has been decided, mark the points on the line where perforations for the plugs shall be made.
 Once this has been finished, hang the threaded rods, previously cut at the proper measure.
 Start placing the primary profiles with the fixing cleats and level them. Use 60 cm gauges in order to secure these profiles so that the idealux pieces do not open and fall down. Depending on the length of the piece, you shall cut a number or so of gauges.

Once installed, press the ends inwards so that they do not stick out.
 As the structure is being installed, place some Idealux piece to secure the structure is square.



Once you are sure everything is perfectly installed, carry out the final level and install the last pieces.



For curve installations, there are no specific instructions. We recommend you to contact us in: info@asonindia.com

Mounting systems - Wall paneling

Sonalux LR - Tongue and groove system

Check the parameter's vertical position and plan state where installing our idealux panel.
 Replan the axis where the idealux fixing cleats shall be inserted at the appropriate distance depending on the selected piece (we advise a maximum of 600 mm in the cross direction and 900 mm in the longitudinal one).
 If necessary, level and wedge the parameter with profiles or wooden battens or MDF to act as supporters for our fixing cleats.

Take in mind the following load limits recommended for any hook unit (considered value for the Sonalux fixing cleat in a perpendicular traction). Check the limit values for the other elements such as the expansive plug, etc. Maximum limit 30 kgs per fixing unit. We advise 20 kg per fixing unit.

Replan and draw the perforations with the appropriate diameter to the expansive plug (if necessary) to be used with the selected screw to install our idealux fixing cleat. The distance between each other shall be previously decided according to point 2 and 4. The points where the perforations are made shall be compact and resistant enough to bear the estimated load.

Place the idealux panels in the established position by anchoring them with the Sonalux fixing cleats. Introduce the round strip inside the idealux clip until you secure its closing as much as possible. You must use the multiposition jagged closing.

You can place the Sonalux panels both in vertical and in horizontal position. If you install them in a horizontal position, you shall take in mind to install an Sonalux fixing cleat under the first and last rectangular strip so that the panel is totally supported in the piece. If you want to secure the panel so that the panel is totally supported in the piece. If you want to secure the panel so that it does not slide, place -at any point of the panel (one in each panel) a fixing cleat on each side of the strip or panel.





Medium density board



Plywood



Phenolic compact



Washable product



Recyclable



Earthquake-resistant



Hardwood



Polyester



Melamine



Acoustic product



Acoustic insulator



Noise absorption coefficient



Veneered



HPL laminated



Range of colours



Average acoustic absorption coefficient



Medium acoustic absorption coefficient



Standard



Fire-resistant



Water-resistant



Scratching resistant



Impact-resistant



Dirt-proof

