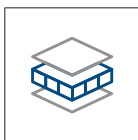


TETRYS BY CELENIT

sound-absorbing
panels in wood wool



MATERIALS
Wood wool with
Portland cement
binder



**REACTION
TO FIRE**
Euroclass B-s1, d0
or Euroclass A2-s1, d0



CLEANING
Wet cloth and
vacuum cleaner

APPLICATIONS



CEILING
(in adherence,
screwed or with
metal framework)



BAFFLE
(with metal profiles,
or metal framework)



WALL
(in adherence,
screwed or with
metal framework)



SPECIFICHE

¹ Certified by the University of Bologna
LEBSC no.809 | rev. 07.05.2009

² The reaction to fire does not
change for painted products

Compressive stress at 10% deformation σ_{10} [kPa]	≥300
Resistance to vapor diffusion μ	5
Specific heat c_p [kJ/kgK] ¹	1,81
Reaction to fire ²	Euroclass B-s1, d0 / A2-s1, d0
CELENIT ABE chloride content [%]	≤ 0,06
CELENIT AE chloride content [%]	≤ 0,35
Sound absorption	a_w up to 1,00 – NRC up to 0,95
Durability	Class C
Light reflection CELENIT ABE [%]	50,7 - 74,0 (colorato bianco 05/15)
Light reflection CELENIT AE [%]	31,2
Release of formaldehyde	Class E1
Asbestos release	does not contain asbestos

DIMENSIONS

THICKNESS

15mm | 25mm | 35mm
Baffle application is only available
with 25mm thick panels



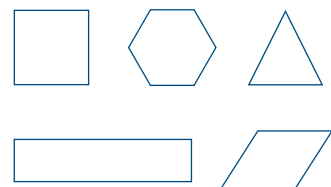
EDGE

90 ° STRAIGHT EDGES
BEVELLED EDGES
(CUSTOMIZABLE RADIUS)



STANDARD DIMENSIONS

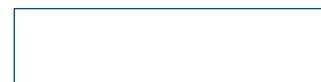
Triangolo	290 x 290 mm
Esagono	290 x 290 mm
Parallelogramma	590 x 290 mm
Rectangle S	145 x 595 mm
Rectangle M	290 x 1195 mm



CUSTOMIZATIONS

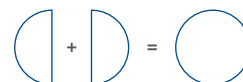
The TETRYS by Celenit product, within the limits
of H and L, is customizable in size and shape.

H max	595 mm
L max	2395 mm



COMPOSITIONS

Installations that require larger panels than
the specified H and L limits can be made up
of smaller panels assembled during the production.



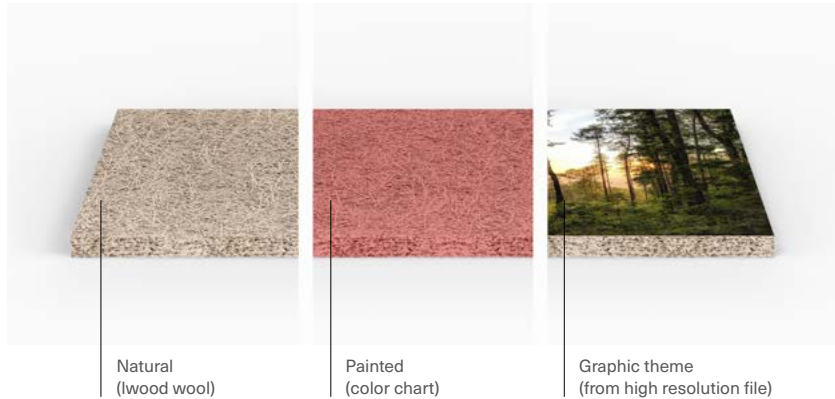
Composition example

Products size have a tolerance of ± 1% of the indicated value.

FINISHES

Customizations on solid color painting according to NCS or RAL color guides or on the graphic theme.

COLOR



TEXTURE

The panels can have two different wood wool widths



1 mm texture - EXTRA-THIN PANEL
TETRYS BY CELENIT ABE



2 mm texture - THIN PANEL TETRYS
BY CELENIT AB

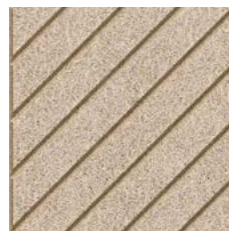
GROOVE

The panels can be supplied with a particular production consisting of surface millings that allow to have an effect continuity in the coating.

PARALLEL LINES



OBLIQUE LINES



SOUND ABSORPTON



APPLICATION IN ADHERENCE
PANEL TETRYS BY CELENIT ABE

Type of Panel	Test specifications			Sound absorption											
	Thickness	MW ¹	TH ²	Certificate		Frequencies [Hz]						α _w	NRC	SAA	Class
	[mm]	[mm]	[mm]	No.	Data	125	250	500	1000	2000	4000				
CELENIT ABE	15		15	324526-A	14.05.2015	0.05	0.1	0.25	0.45	0.8	0.65	0.3 (H)	0.4	0.4	D
CELENIT ABE	25		25	331334-A	11.02.2016	0.1	0.2	0.35	0.7	0.85	0.85	0.4 (M-H)	0.55	0.53	D
CELENIT ABE	35		35	331335-A	11.02.2016	0.1	0.25	0.45	0.85	0.7	0.95	0.5 (M-H)	0.55	0.56	D

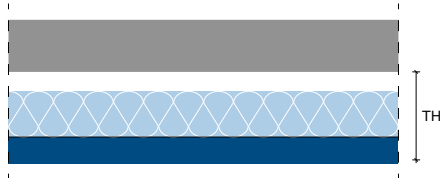


HOLLOW WALL
PANEL TETRYS BY CELENIT ABE

Type of Panel	Test specifications			Sound absorption											
	Thickness	MW ¹	TH ²	Certificate		Frequencies [Hz]						α _w	NRC	SAA	Class
	[mm]	[mm]	[mm]	No.	Data	125	250	500	1000	2000	4000				
CELENIT ABE	15		45	324527-A	14.05.2015	0.1	0.15	0.45	0.8	0.55	0.6	45 (M-H)	0.5	0.49	D
CELENIT ABE	15		215	324527-B	14.05.2015	0.25	0.55	0.55	0.45	0.6	0.7	55 (H)	0.55	0.54	D
CELENIT ABE	15		300	324527-C	14.05.2015	0.3	0.55	0.45	0.55	0.6	0.75	55 (H)	0.55	0.54	D
CELENIT ABE	25		55	333106-A	20.04.2016	0.1	0.25	0.65	0.8	0.65	0.85	55 (M-H)	0.6	0.59	D
CELENIT ABE	25		75	331334-B	11.02.2016	0.15	0.35	0.8	0.75	0.7	0.95	65 (H)	0.65	0.64	C
CELENIT ABE	25		125	331334-C	11.02.2016	0.15	0.45	0.75	0.6	0.75	0.95	65 (H)	0.65	0.63	C
CELENIT ABE	25		225	331334-F	11.02.2016	0.25	0.65	0.65	0.6	0.8	1	65 (H)	0.65	0.66	C
CELENIT ABE	25		300	333106-B	20.04.2016	0.35	0.6	0.5	0.6	0.8	0.95	60 (H)	0.6	0.62	C
CELENIT ABE	35		65	331335-B	11.02.2016	0.15	0.3	0.75	0.85	0.75	0.95	60 (M-H)	0.65	0.67	C
CELENIT ABE	35		85	331335-C	11.02.2016	0.15	0.35	0.75	0.65	0.75	0.95	65 (H)	0.65	0.62	C
CELENIT ABE	35		235	331335-D	11.02.2016	0.3	0.7	0.6	0.7	0.9	1	70 (H)	0.7	0.72	C
CELENIT ABE	35		300	333107-A	20.04.2016	0.4	0.65	0.5	0.65	0.85	0.95	60 (L-H)	0.65	0.66	C



SOUND ABSORPTION



INFILL ROCK WOOL
PANEL TETRYS BY CELENIT ABE

Type of Panel	Test specifications			Sound absorption											
	Thickness	MW ¹	TH ²	Certificate		Frequencies [Hz]						α_{wv}	NRC	SAA	Class
	[mm]	[mm]	[mm]	No.	Data	125	250	500	1000	2000	4000				
CELENIT ABE	15	30 (2)	45	324526-B	14.05.2015	0.2	0.6	1	1	0.8	0.75	0.85	0.9	0.88	B
CELENIT ABE	15	40 (2)	300	324527-D	14.05.2015	0.5	0.85	0.95	1	0.85	0.8	0.9	0.9	0.91	A
CELENIT ABE	25	30 (4)	55	324528-B	14.05.2015	0.25	0.7	1	0.95	0.85	0.9	0.9	0.9	0.9	B
CELENIT ABE	25	30 (1)	85	324531-B	14.05.2015	0.35	0.85	1	0.95	0.85	0.9	0.95	0.95	0.94	A
CELENIT ABE	25	60 (1)	125	324533-A	14.05.2015	0.5	0.95	0.95	0.95	0.85	0.95	0.95	0.95	0.93	A
CELENIT ABE	25	30 (4)	200	324531-D	14.05.2015	0.5	0.85	0.95	1	0.9	0.9	0.95	0.95	0.93	A
CELENIT ABE	25	50 (2)	200	331334-E	11.02.2016	0.5	1	1	1	0.95	1	1	1	0.98	A
CELENIT ABE	25	60 (5)	200	331334-D	11.02.2016	0.35	1	0.9	0.85	0.85	1	0.90 (L)	0.9	0.89	A
CELENIT ABE	25	40 (3)	225	324533-B	14.05.2015	0.5	0.9	0.95	1	0.85	0.95	0.95	0.95	0.93	A
CELENIT ABE	25	50 (2)	300	324531-F	14.05.2015	0.55	0.9	1	1	0.85	0.95	0.95	0.95	0.94	A
CELENIT ABE	35	30 (2)	65	324534-B	14.05.2015	0.25	0.6	1	0.9	0.8	0.95	0.85	0.85	0.84	B
CELENIT ABE	35	40 (2)	200	324535-B	14.05.2015	0.5	0.95	1	1	0.9	1	1	0.95	0.94	A
CELENIT ABE	35	40 (2)	300	324535-D	14.05.2015	0.55	0.9	1	1	0.9	1	0.95	0.95	0.93	A

¹ "MW" is the thickness of rock wool in the cavity

² "TH" is the total height of the structure considered from the intrados of the floor to the intrados of the coating

SPECIFICATIONS

Supply and installation of TETRYS by Celenit thermal acoustic panels by IsolDesign, eco-friendly and sound-absorbing consisting of extra-thin (1 mm) or thin (2 mm) spruce wood wool, mineralized and bonded with white Portland cement. In accordance with UNI 13168 and UNI EN 13964, classified A2-s1, d0 and B-s1, d0 Euroclass of reaction to fire according to UNI EN 13501-1. They have a maximum size of 600x2400 mm and a thickness of 15/25/35 mm. Geometric shapes, colors and graphics chosen by the Works Management. The panels are ANAB-ICEA and natureplus certified for the eco-compatibility of the materials and the production process, PEFC™ or FSC® for the sustainability of the wood raw material, ICEA for the content of recycled material and for the certification of LEED credits, environmental products declaration EPD.

AREAS OF APPLICATION

TETRYS by Celenit is a certified product for thermal and acoustic insulation, ideal for any public or private area such as: swimming pools, schools, restaurants, theaters, steakhouses, offices, recording studios, dance halls, rehearsal rooms, resorts and spas, hotels, industrial environments, conference rooms, gyms, libraries, convention centers, museums, waiting rooms, arcades, auditoriums, shopping centers, live clubs, call centers and many more.

WARNINGS

The panels have a non-homogeneous natural color related to the presence of raw materials, wood and concrete, or they can be painted (RAL or NCS colors) in order to assure uniformity of color, without modifying the acoustic performance. Four ranges of colors are available, in the standard acrylic or liquid potassium silicate version. The panels can also be customized with graphic themes of customer's choice. The product must be stocked in weather protected rooms.

