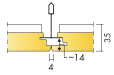


ECOPHON COMBISON™ UNO DS

Ecophon Combison™ Uno Ds has a concealed grid, installed in a suspended grid system with demountable tiles. For use as a sound absorbing ceiling and for sound insulation between rooms if the partitions do not extend all the way up to the soffit. Also suitable for sound reduction of vertical noise.

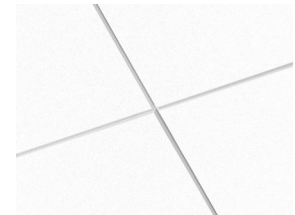
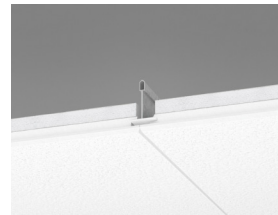


Ecophon Combison™ Uno Ds



SYSTEM RANGE

Size, mm	600x600
T24	•
Thickness	35
Inst. Diagr.	M629



Combison Uno Ds system

TYPE OF APPLICATION

- Healthcare
- Office

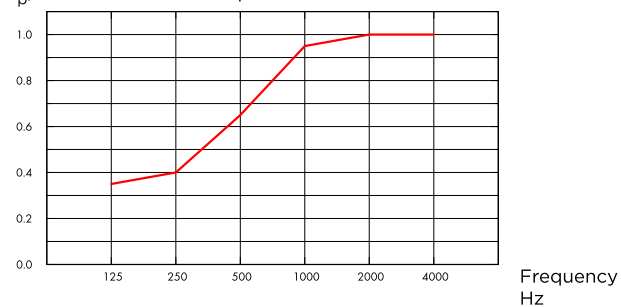


ACOUSTIC

Sound Absorption

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

α_p , Practical sound absorption coefficient



— Combison Uno Ds 35 mm, 200 mm o.d.s.
o.d.s = overall depth of system

THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
35	200	0.35	0.40	0.65	0.95	1.00	1.00	0.65	C

THK mm	o.d.s. mm	NRC	SAA
35	200	0.75	0.75

THK mm	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	R_w Weighted sound reduction index, ISO 10140-2
30	41	28



INDOOR AIR QUALITY

Certificate / Label	Standard
French VOC	A+



CIRCULARITY

*this value does not take into account the plasterboard

Minimum post-consumer recycled content	56%*
Recyclability	Fully recyclable



FIRE SAFETY

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Fire standard	Class
Europe	EN 13501-1	A2-s1,d0



HUMIDITY RESISTANCE

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



VISUAL APPEARANCE

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



CLEANABILITY

Daily dusting and vacuum cleaning. Weekly wet wiping.



ACCESSIBILITY

The tiles are easily demountable. Minimum demounting depth according to installation diagrams.



INSTALLATION

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



PACKAGING INFORMATION

Information is indicative and subject to change.

	Edge	Panels / crt	m ² / crt
600x600x35	Ds	40	14.40



SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m ²
Combison Uno Ds	11,4
Combison Uno Ds + Connect Grid System	12,4



MECHANICAL PROPERTIES

See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

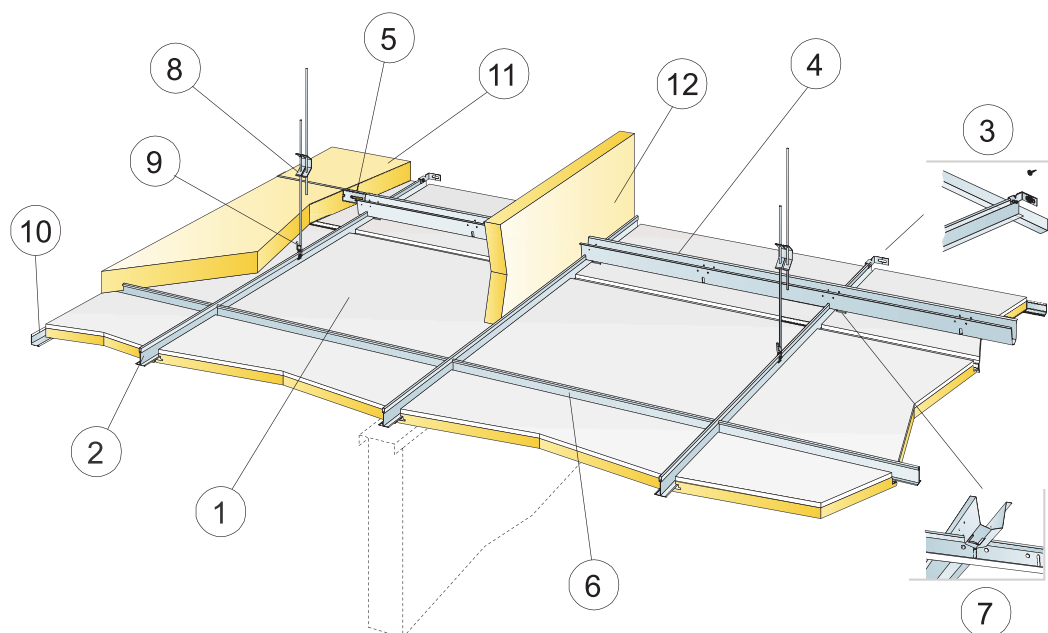
COLOURS AND DESIGN

Akutex™ FT White



White Frost

Suspended ceiling

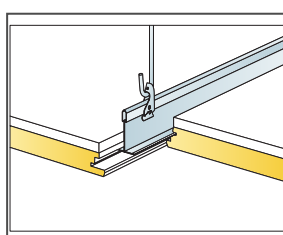
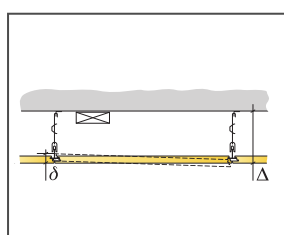


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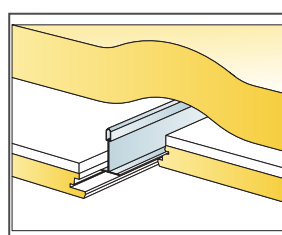
Installation diagram (M629) for Ecophon Combison Uno Ds. Suspended installation

Quantity specification (excl. wastage)

	Size, mm
	600x600
1 Combison Uno Ds	2,8/m ²
2 Connect T24 Main Runner PL, installed at 600 mm centres	1,7m/m ²
3 Connect Wall Bracket for T-profiles	1/suspended row of Main runner
4 Connect Space Bar, installed at 900 mm centres (max. distance from wall 300 mm)	1,15m/m ²
5 Connect Wall Bracket, L=700 mm, for Connect Space Bar	1/row of Space bar
6 Connect T24 Cross Tee, L=600 mm	2/row of Main runner
7 Connect Space Bar Winch, installed one per joint Connect Main Runner/Connect Space Bar	1,9/m ²
8 Connect Adjustable Hanger, installed at 1200x900 mm (max. distance from wall 600 mm). Main Runners resting on partition walls don't need hangers.	0,95/m ²
9 Connect Hanger Clip (not to be used in swimming hall environments)	0,95/m ²
10 Connect Angle trim, fixed at 200 mm centres	as required
11 Combison XR (if required)	as required
12 Combison Barrier (if required)	as required
Δ Min. overall depth of system: 120 mm	-
δ Min. demounting depth: 40 mm	-



Suspension with adjustable hanger and clip



Additional absorber on top of ceiling

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x35	0	220

Live load/load bearing capacity