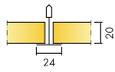


ECOPHON HYGIENE™ BLACK A

Ecophon Hygiene™ Black A offers a sleek, washable black surface that is ideal for humid environments. Its durable surface and primed edges ensure that the panels withstands regular advanced cleaning such as high pressure washing, along with various common detergents and disinfectants.

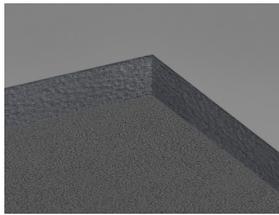


Ecophon Hygiene™ Black A

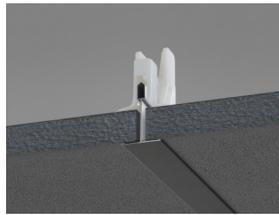


SYSTEM RANGE

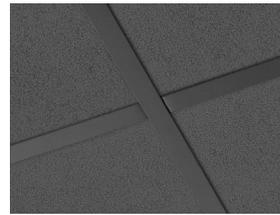
Size, mm	600x600	1200x600
T24	•	•
Thickness	20	20
Inst. Diagr.	M675C4	M675C4



Hygiene Black A tile



Hygiene Black A section with Connect Hygiene clip 20



Hygiene Black A system

TYPE OF APPLICATION

- Additional areas
- Healthcare

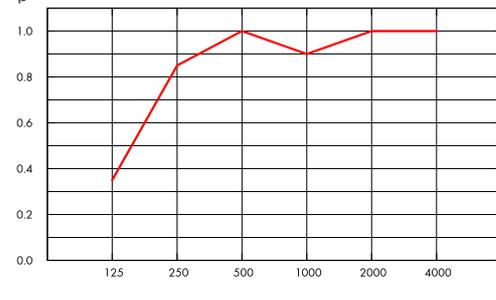


ACOUSTIC

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



— Hygiene Black A 20 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		
20	200	0.35	0.85	1.00	0.90	1.00	1.00	A	

THK mm	o.d.s. mm	NRC	SAA
20	200	0.95	0.95



INDOOR AIR QUALITY

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+





CARBON FOOTPRINT

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m ²
Hygiene Black A 20 mm (EN 15804+A2)	3,43



CIRCULARITY

Minimum post-consumer recycled content	51%
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 D, relative humidity 97% and 50°C, according to EN 13964:2014



VISUAL APPEARANCE

Hygiene Black , nearest NCS colour S-8500-N, 4,0% light reflectance.



CLEANABILITY

Standard/Method	Frequency
Dusting & vacuum cleaning	Daily
Wet wiping	Weekly
Low pressure cleaning	2/year
High pressure washing	2/year
UV-C, BIFMA HCF 8.1-2019	•



SURFACE ENDURANCE

Product tested according to ISO 11998, and withstand 200 cycles.



CHEMICAL RESISTANCE/DISINFECTION

Tested according to ISO 11998 and withstand the following chemicals or disinfectants.

Chemical	Active Substance	Concentration
Virkon S	Dipotassium peroxodisulphate; Sulfamic acid	1%
Isopropanol	Isopropyl Alcohol	70%



MOULD AND BACTERIAL RESISTANCE

Standard/Method	Class
ISO 846 :2019 method A (for fungi)	0 (No growth under the microscope)
ISO 846 :2019 method C (for bacterium)	0 (No growth under the microscope)
ASTM D3273-16 (for fungi)	10 (0% growth on the surface)



CLEAN ROOM

	Standard/Method	Class
ISO 14644	Particle cleanliness class	ISO 4
NF S 90-351	Microbiological class	M1/area 4
NF S 90-351	Particle elimination kinetics	CP(0,5) 5



ACCESSIBILITY

The tiles are demountable. Minimum demounting depth according to installation diagram. The tiles are secured using Connect Hygiene Clip to allow for effective cleaning. The clips are easily removable from above the ceiling.

Connect Democlips 20 C4 are available to simplify access to the ceiling void.



INSTALLATION

Installed according to installation diagrams, installation guides and drawing aid. Cut panels must be sealed with Connect Edge sealant. Penetrations must be sealed with a suitable sealant.



PACKAGING INFORMATION

Information is indicative and subject to change.

	Edge	Panels / crt	m ² / crt
600x600x20	A	28	10.08
1200x600x20	A	14	10.08



SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m ²
Hygiene Black A 20 mm	1,5
Hygiene Black A 20 mm + Connect grid system	2,5



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.

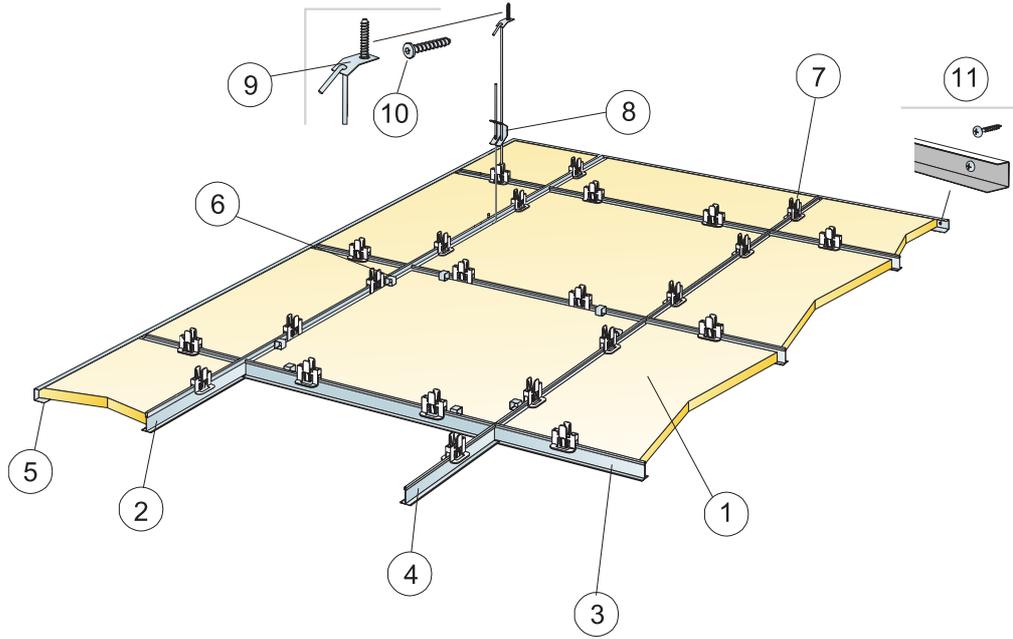
COLOURS AND DESIGN

Hygiene™ Colour



Black

Suspended ceiling

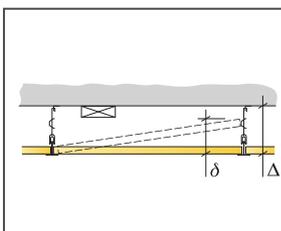


© Saint-Gobain Ecophon AB

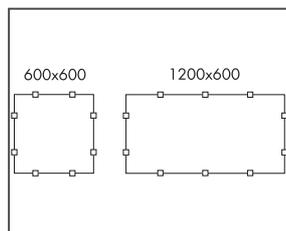
Installation diagram (M675C4) for Ecophon Hygiene™ Black A C4

Quantity specification (excl. wastage)

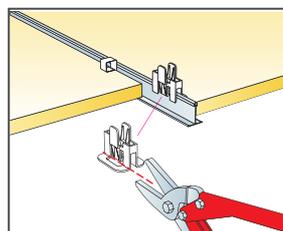
	Size, mm	
	600x600	1200x600
1 Hygiene Black A	2,8/m ²	1,4/m ²
2 Connect T24 Main Runner C4, c1200	0,9m/m ²	0,9m/m ²
3 Connect T24 Cross Tee C4, L=1200, c600	1,7m/m ²	1,7m/m ²
4 Connect T24 Cross Tee C4, L=600	0,9m/m ²	-
5 Connect Channel Trim C4, fixed at c300 mm	as required	as required
6 Connect Demo Clip 20 C4, (where access is needed)	as required	as required
7 Connect Hygiene Clip 20	11/m ²	7/m ²
8 Connect Adjustable Hanger C4, c1200, (max 600 mm distance from wall)	0,7/m ²	0,7/m ²
9 Connect Fixing Plate C4	0,7/m ²	0,7/m ²
10 Connect Anchor Screw C4	0,7/m ²	0,7/m ²
11 Connect Installation Screw C4	3,4/1m Channel trim C4	
Δ Min. overall depth of system: 150 mm	-	-
δ Min. demounting depth: 150 mm	-	-



See Quantity Specification



Arrangement of clips



Cutting of Connect Hygiene Clip 20 at the inspection tile

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x20	50	160
1200x600x20	50	160

Live load/load bearing capacity