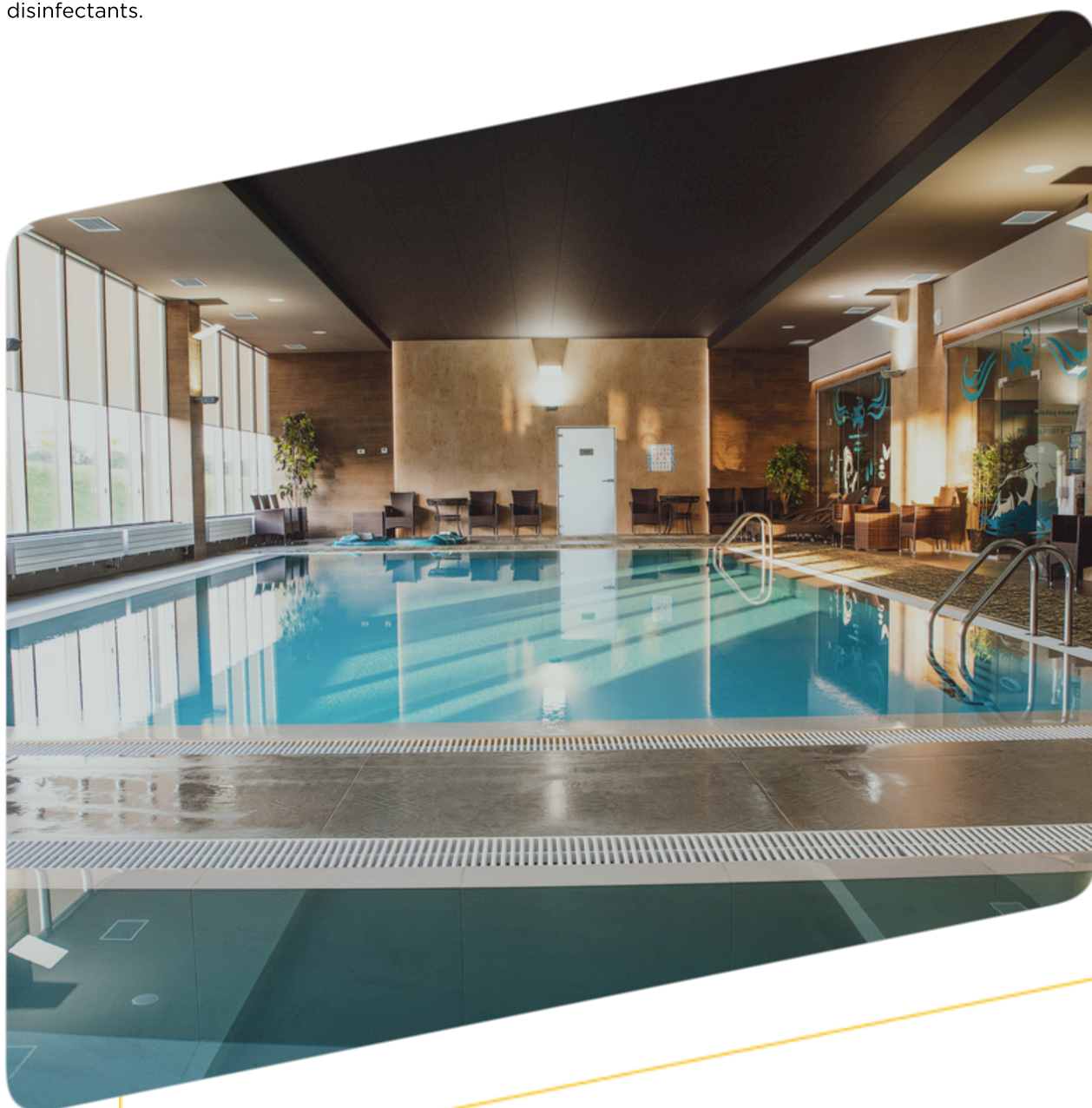
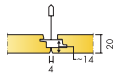


# ECOPHON HYGIENE™ BLACK DS

Ecophon Hygiene™ Black Ds is a suspended ceiling with a concealed grid that offers a sleek, washable black surface ideal for humid environments. Its durable surface and painted edges ensure that the panels withstand regular cleaning, such as wet wiping, along with various common detergents and disinfectants.

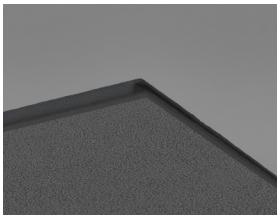


# Ecophon Hygiene™ Black Ds

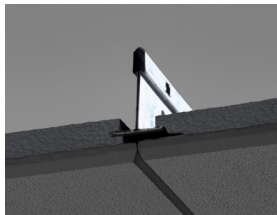


## SYSTEM RANGE

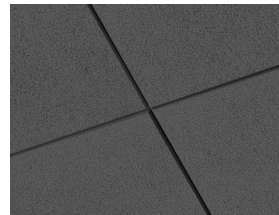
Size, mm	600x600	1200x600
T24	•	•
Thickness	20	20
Inst. Diagr.	M676C4	M676C4



Hygiene Black Ds tile



Section of Performance Ds system with Connect T24 Main Runner C4



Performance Ds system



The individual tiles are easily demountable

## TYPE OF APPLICATION

- Additional areas
- Healthcare

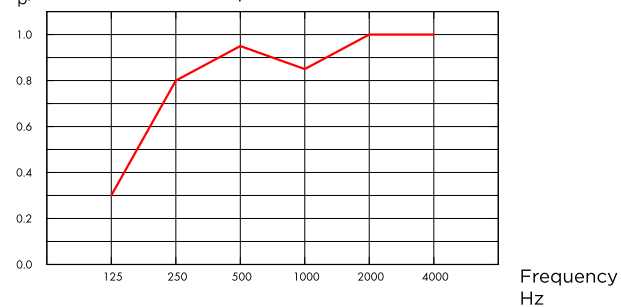


## ACOUSTIC

### 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.

$\alpha_p$ , Practical sound absorption coefficient



— Hygiene Black Ds 20 mm, 200 mm o.d.s  
o.d.s = overall depth of system

THK mm	o.d.s. mm	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
20	200	0.30	0.80	0.95	0.85	1.00	1.00	0.95	A

THK mm	o.d.s. mm	NRC	SAA
20	200	0.90	0.90



## 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 <sub>2</sub> equiv/m <sup>2</sup>
Hygiene Black Ds 20 mm (EN 15804+A2)	3,95



## CIRCULARITY

Minimum post-consumer recycled content	54%
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
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.



## 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 <sup>2</sup> / crt
600x600x20	Ds	20	7.20
1200x600x20	Ds	10	7.20



## SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m <sup>2</sup>
Hygiene Black Ds 20 mm	1,9
Hygiene Black Ds 20 mm + Connect grid system	2,9



## MECHANICAL PROPERTIES

See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

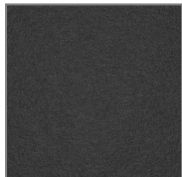


## CE

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.

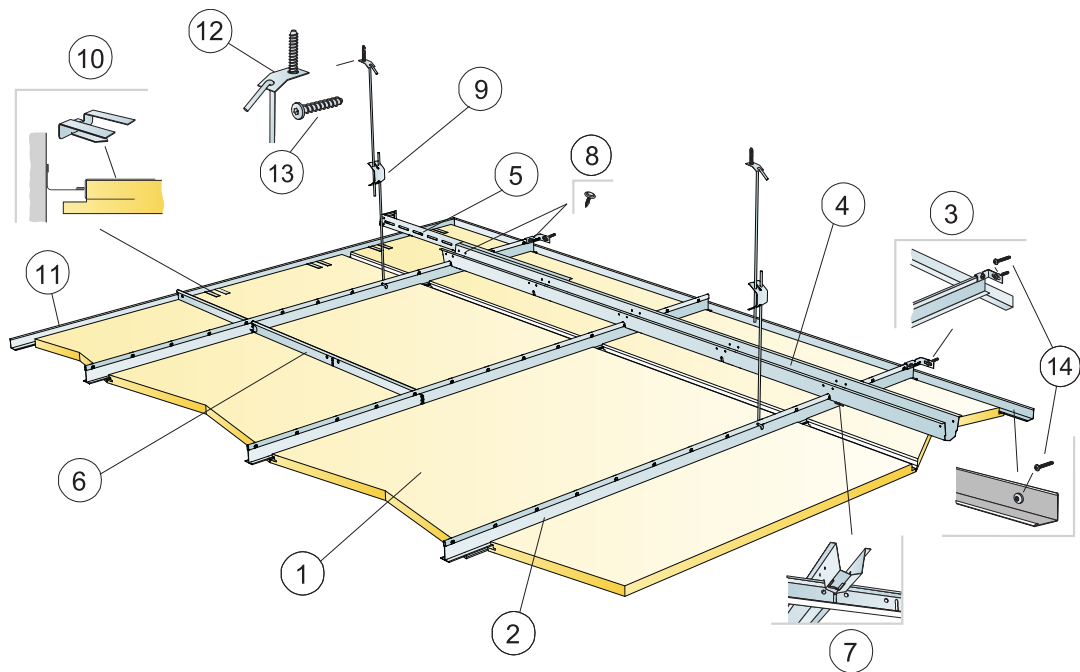
## COLOURS AND DESIGN

### Hygiene™ Colour



Black

Suspended ceiling

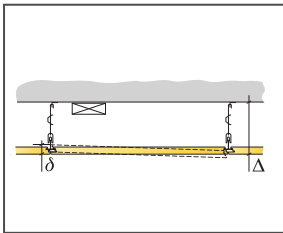


© Saint-Gobain Ecophon AB

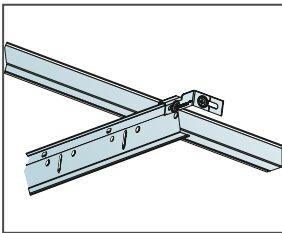
Installation diagram (M676C4) for Ecophon Hygiene™ Black Ds C4. Suspended installation

Quantity specification (excl. wastage)

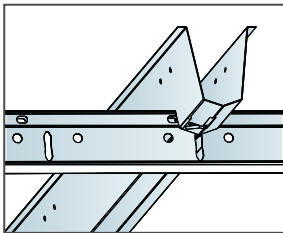
	Size, mm	
	600x600	1200x600
1 Hygiene Black Ds	2,8/m²	1,4/m²
2 Connect T24 Main Runner C4, installed at 600 mm centres	1,7m/m²	1,7m/m²
3 Connect Wall Bracket C4 for T-profiles C4	1/suspended row of Main runner	
4 Connect Space Bar C4, installed at 1500 mm centres (max. distance from wall 300 mm) for winch	0,7m/m²	0,7m/m²
5 Connect Wall Bracket C4, L=700 mm, for Connect Space Bar	1/row of Space bar	
6 Connect T24 Cross Tee C4, L=600 mm	2/row of Main runner	
7 Connect Space Bar Winch C4, installed one per joint Connect Main Runner/Space Bar	1,4/m²	1,4/m²
8 C4 screw for wall brackets(included in products)	-	-
9 Connect Adjustable Hanger C4, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m²	0,7/m²
10 Connect Support Clip Dg20 C4	1pc/300-400 mm on every cut perimeter tile with only 1 supporting edge	
11 Connect Angle Trim 15/22 C4, fixed at 300 mm centres	as required	as required
12 Connect Fixing Plate C4	0,7/m²	0,7/m²
13 Connect Anchor Screw C4	0,7/m²	0,7/m²
14 Connect Installation Screw C4	3,4/1m Channel trim C4	
Δ Min. overall depth of system: 385 mm	-	-
δ Min. demounting depth: 30 mm	-	-



See Quantity Specification



Secured Connect Main Runner C4 at wall with Connect Wall Bracket C4



Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x20	40	160
1200x600x20	40	160

Live load/load bearing capacity