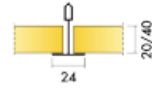


# Ecophon Hygiene™ Advance A



For use in areas where heavy or frequent soiling occurs and daily washing is required. Ecophon Hygiene Advance A has an exposed grid system. Each tile is demountable. The corrosion protected Connect suspension grid system should be used.

## SYSTEM AND PRODUCT DESCRIPTION

The systems consist of Ecophon Hygiene Advance A tiles and Ecophon Connect C3 grid systems, with an approximate weight of 3-4 kg/m<sup>2</sup>. The tiles are manufactured from high density glass wool. The front and back of the tiles are covered with glass tissue. The edges are primed. The product is enclosed in a special film with a smooth, dirt-repellent, waterproof surface. This prevents particles from adhering to or penetrating the surface and facilitates cleaning. Advance perimeter tiles have a bonded surface coating, suitable for cutting. The grid is manufactured from laquered galvanized steel.

## SYSTEM RANGE

Size, mm	600	1200
	X	X
	600	600
T24	•	•
Thickness	20/40	20/40
Inst. diagr.	m128	m128



Hygiene Advance A tile



Section of Hygiene Advance A 20 mm system



Section of Hygiene Advance A 40 mm system



Hygiene Advance A system

**ACCESSIBILITY:** The tiles are demountable. Minimum demounting depth according to installation diagrams. The tiles are secured using Hygiene Clip 20 (40) to allow for effective in-situ cleaning. The clips are easily removable from above the ceiling. A tightly sealed, easy-to-open Hygiene Inspection hatch is available to simplify access to the ceiling void.

**CLEANABILITY:** Daily dusting, vacuum cleaning, manual wet cleaning and high-pressure washing. Water temperature max. 70° C. Can withstand the use of common disinfecting chemicals.

**LIGHT EFFICIENCY:** White 141, nearest NCS colour sample S 1000-N, 73% light reflectance. Please note: There is a small difference in gloss between the Hygiene Advance tile and the Hygiene Advance perimeter tile.

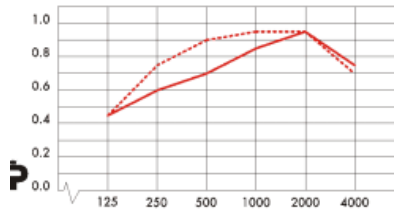
**INFLUENCE OF CLIMATE:** The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611). A higher temperature/moisture is permissible during washing as stated above.

**INDOOR CLIMATE:** Can be used in rooms classified as ISO class 5/M2.5.

## ACOUSTICS:

**SOUND ABSORPTION:** Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for NRC and SAA according to ASTM C 423.  
**SOUND INSULATION:** Not applicable.  
**SOUND PRIVACY:** Not applicable.

$\alpha_p$  Practical sound absorption coefficient



Frequency, Hz

— Ecophon Hygiene Advance A, 20 mm thick, 200 mm o.d.s.

--- Ecophon Hygiene Advance A, 40 mm thick, 200 mm o.d.s.

o.d.s = overall depth of system

Product	Hygiene Advance A 20		Hygiene Advance A 40	
	mm		mm	
O.d.s. mm	400	200	400	200
Absorption class	B		A	
NRC	0.8	0.8	0.75	0.75
SAA	0.79	0.76	0.76	0.76

**FIRE SAFETY:** Reaction-to-fire classifications.

Country	Standard	Class
UK	BS 476 Parts 6&7	*
Europe	EN 13501-1	A2-s1,d0

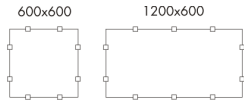
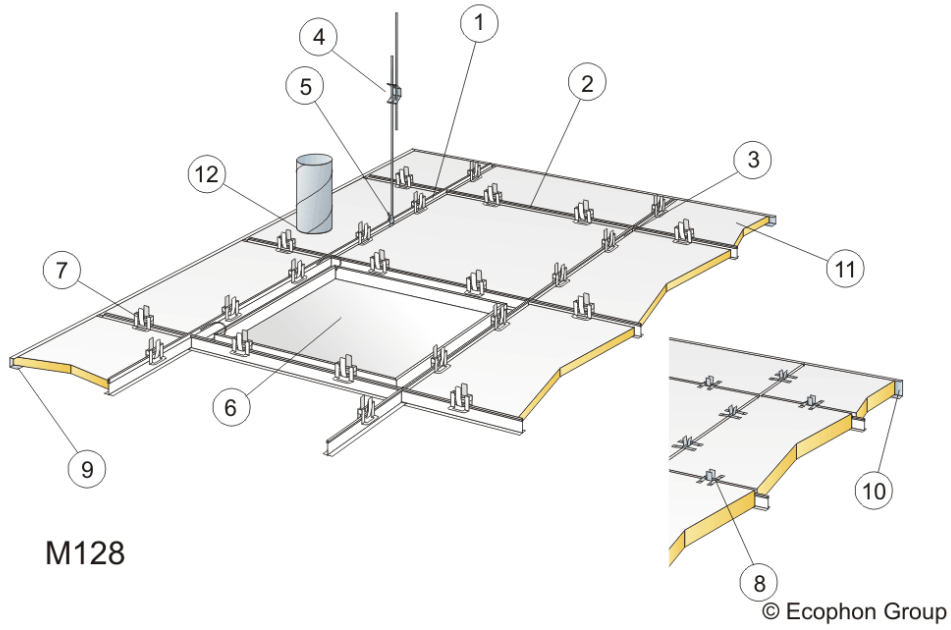
The glass wool core of the tiles is tested and classified as non-combustible according to prEN ISO 1182. See Functional demands, Fire safety. \* Assessed to fulfil class 0. Please contact Ecophon for more information.

**MECHANICAL PROPERTIES:** For information regarding live load and requirements for load bearing capacity, see installation diagrams. Conditions: See Functional demands, Mechanical properties.

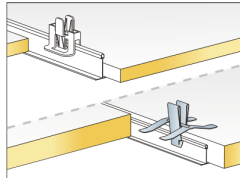
**INSTALLATION:** Installed according to installation diagram M128, which includes information regarding minimum overall depth of system. For in-situ cleaning Hygiene Advance must always be secured with Hygiene Clip 20 (40). The installation work should include the provision of a Hygiene Inspection hatch. Hygiene Advance perimeter tiles (20 or 40 mm) should be used if holes have to be made in the tile or if filler pieces have to be cut. Cut surfaces must be sealed with Connect Edge paint 0691, or Connect Tape Hygiene Advance 2800. Penetrations must be sealed with silicon based anti-fungicide sealant.

www.ecophon.co.uk, CADsupport, Product selector, Specification, Maintenance manual

# INSTALLATION DIAGRAM (M128) FOR HYGIENE ADVANCE (20 AND 40 MM)



Arrangement of clips

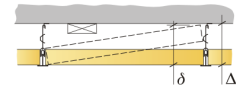


Clips for keeping tiles in position

Inst. diag., Size (mm)	Max live load (N)	Min load bearing capacity (N)
1200x600	40	160
600x600	40	160

Live load/Load bearing capacity

Min. overall depth of system:  
150 mm (both 20 and 40 mm)



Min. demounting depth:  
Thickness 20 mm: 150 mm  
Vertical measurements

## Quantity specification (excl. wastage)

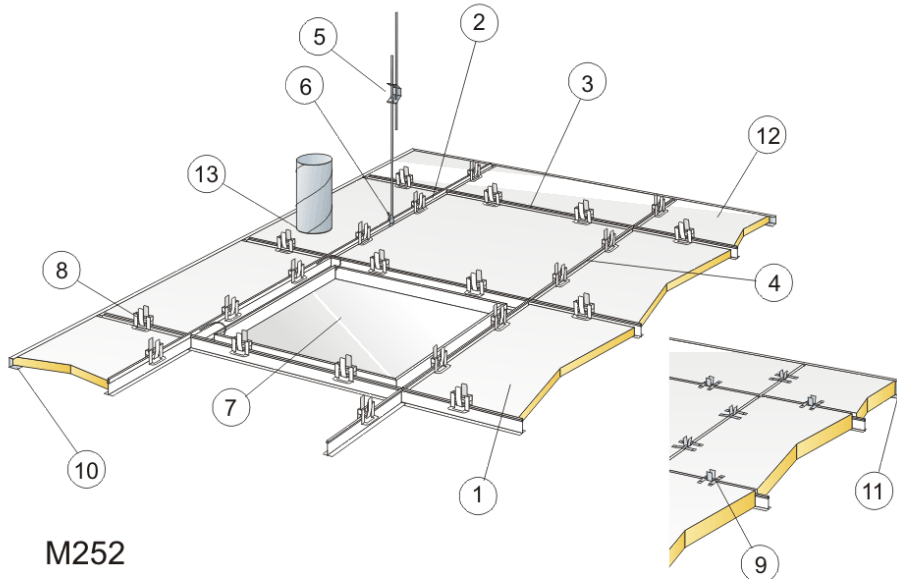
	Size, mm	
	600x600	1200x600
Hygiene Advance A	2.8/m <sup>2</sup>	1.4/m <sup>2</sup>
1 Connect T24 Main runner C3 9101, installed at 1200 mm centres	0.9 m/m <sup>2</sup>	0.9 m/m <sup>2</sup>
2 Connect T24 Cross tee C3 9102, L=1200 mm, installed at 600 mm centres	1.7 m/m <sup>2</sup>	1.7 m/m <sup>2</sup>
3 Connect T24 Cross tee C3 9103, L=600 mm	0.9 m/m <sup>2</sup>	-
4 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
5 Connect Hanger clip	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
6 Connect Hygiene Inspection	as required	as required
7 Connect Hygiene clip 20 0172	11/m <sup>2</sup>	7/m <sup>2</sup>
8 Connect Hygiene clip 40 3254	11/m <sup>2</sup>	7/m <sup>2</sup>
9 Connect Channel trim C3 3532 (for 20 mm thickness)	as required	as required
10 Connect Channel trim C3 3465 (for 40 mm thickness)	as required	as required
11 Hygiene Advance perimeter tile (thickness 20 or 40 mm)	as required	as required
12 Silicon based antifungicidal sealant	as required	as required

# ECOPHON HYGIENE ADVANCE A



Quantity specification (excl. wastage)	Size, mm	
	600x600	1200x600
Hygiene Advance A	2.8/m <sup>2</sup>	1.4/m <sup>2</sup>
2 Connect T24 Main runner C4, c1200	0.9 m/m <sup>2</sup>	0.9 m/m <sup>2</sup>
3 Connect T24 Cross tee C4, L=1200, c600	1.7 m/m <sup>2</sup>	1.7 m/m <sup>2</sup>
4 Connect T24 Cross tee C4, L=600	0.9 m/m <sup>2</sup>	-
5 Connect Adjustable hanger C4 c1200 (max 600 mm distance from wall)	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
6 Connect Hygiene clip 20	11/m <sup>2</sup>	7/m <sup>2</sup>
7 Connect Hygiene clip 40	11/m <sup>2</sup>	7/m <sup>2</sup>
8 Connect Channel trim C4	as required	as required
9 Connect Demo clips 20 C4, where access is needed	as required	as required
10 Connect Fixing plate C4	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
11 Connect Anchor screw C4	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
12 Connect Installation screw C4	3.4/lm Channel trim C4	3.4/lm Channel trim C4
13 Hygiene Advance perimeter tile (thickness 20 mm)	as required	as required
14 Silicon based antifungicidal sealant	as required	as required

# ECOPHON HYGIENE ADVANCE A



M252

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**Quantity specification (excl. wastage)**

	Size, mm	
	600x600	1200x600
Hygiene Advance A	2.8/m <sup>2</sup>	1.4/m <sup>2</sup>
2 Connect T24 Main runner C3, c1200	0.9 m/m <sup>2</sup>	0.9 m/m <sup>2</sup>
3 Connect T24 Cross tee C3, L=1200, c600	1.7 m/m <sup>2</sup>	1.7 m/m <sup>2</sup>
4 Connect T24 Cross tee C3, L=600	0.9 m/m <sup>2</sup>	-
5 Connect Adjustable hanger C3, c1200 (max distance from wall 600mm)	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
6 Connect Hanger clip	0.7/m <sup>2</sup>	0.7/m <sup>2</sup>
7 Connect Hygiene inspection C3	as required	as required
8 Connect Hygiene clip 20	11/m <sup>2</sup>	7/m <sup>2</sup>
9 Connect Hygiene clip 40	11/m <sup>2</sup>	7/m <sup>2</sup>
10 Connect Channel trim C3 (for 20 mm products)	as required	as required
11 Connect Channel trim C3 (for 40 mm products)	as required	as required
12 Hygiene Advance perimeter tile (thickness 20 or 40 mm)	as required	as required
13 Silicon based antifungicidal sealant	as required	as required

# ECOPHON HYGIENE ADVANCE A



**Quantity specification (excl. wastage)**

**Size, mm**

Hygiene Advance A

1200x600