

Ecophon Master™ SQ

Ecophon Master™ SQ has bonded tiles directly to the soffit surface. Installed with a gap between each tile the result is a ceiling with a smooth appearance. Suitable for schools, open plan offices or other premises where strict demands are made on good acoustics.

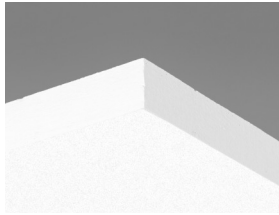


AWO Seniorenzentrum, Wehl, Germany

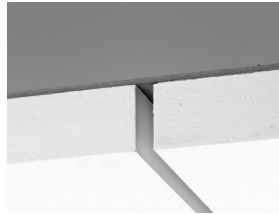
SYSTEM RANGE



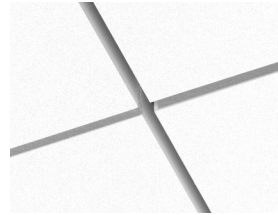
| | | |
|-----------------|---------|----------|
| Size, mm | 600x600 | 1200x600 |
| Direct | • | • |
| Thickness (THK) | 40 | 40 |
| Inst. Diag. | M106 | M106 |



Master SQ tile



Section of Master SQ system



Master SQ system

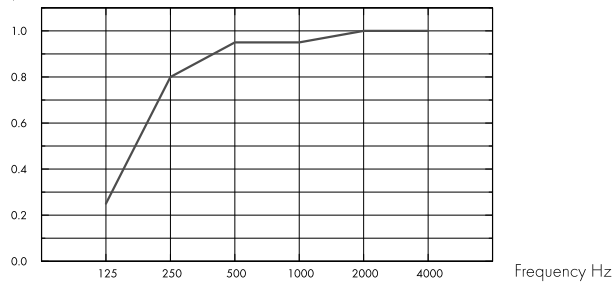
Acoustic



Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.

α_p , Practical sound absorption coefficient



– Master SQ 40 mm, 43 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 | | |
| 40 | 43 | 0.25 | 0.80 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | A |



Indoor Air Quality

| Certificate / Label | |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC | A |
| Finnish M1 | • |



Environmental Footprint

| | kg CO ₂ equiv/m ² |
|-----------|---|
| Master SQ | 7,20 |

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



Circularity

| | |
|--|------------------|
| Minimum post-consumer recycled content | 62% |
| Recyclability | Fully recyclable |



Fire safety

| Country | Class | |
|---------|------------|----------|
| Europe | EN 13501-1 | A2-s1,d0 |

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



Humidity Resistance

Class C, relative humidity 95% and 30°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 not demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces.



System weight

The weight of the system should be approximately 5 kg/m².



Mechanical properties

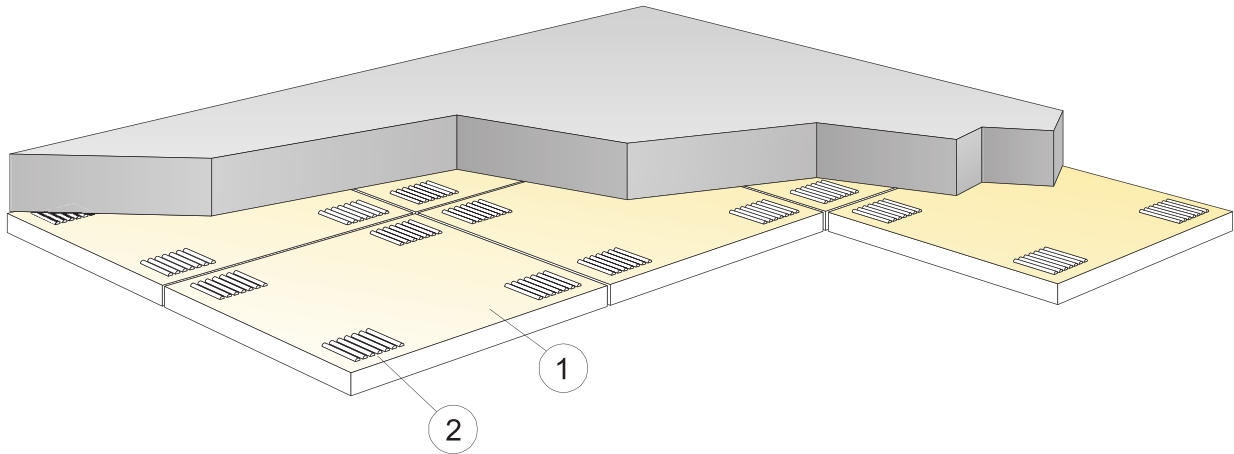
Additional live load has to be fixed to the soffit.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

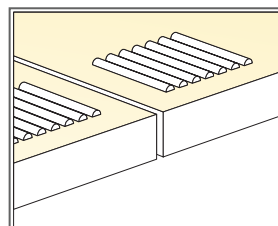
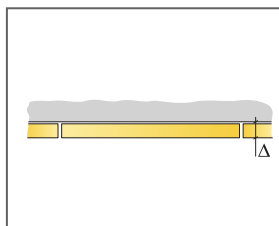
INSTALLATION DIAGRAM (M106) FOR ECOPHON MASTER SQ, USING CONNECT ABSORBER GLUE



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QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|---|--------------------|--------------------|
| | 600x600 | 1200x600 |
| 1 Master SQ | 2,8/m ² | 1,4/m ² |
| 2 Connect Absorber glue (0,25 l/m ² - 0,4 l/m ² depending on installation conditions) | as required | as required |
| Use Connect Notched spatula to apply the glue. | - | - |
| Δ Min. overall depth of system: 43 mm | - | - |
| δ Min. demounting depth: The system is not demountable | - | - |
| Visible edges should be painted | - | - |
| * Panel Module size 600x600 [592x592], 1200x600 [1192x592] | - | - |



Application of glue

| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|-------------------|-------------------------------|
| 600x600x40 | - | - |
| 1200x600x40 | - | - |

Live load/load bearing capacity