

SonexAsia

> **Plano**

Creative
solutions
for acoustical
problems
in every
environment



SONEX
ASIA

SonexAsia Plano

SonexAsia Plano acoustic panels are used to reduce the reverberant noise levels in schools, offices, sport centre, call centre, night clubs and bars, conference rooms, day care centre, theatre etc.



Physical Properties: SonexAsia Plano

Density	ISO 1855	10 kg /m ³	
Tensile strength	ISO 1798	100 kPa	
Breaking tension	ISO 1798	30%	
Compression	Strength with 40% compression ISO 3386	1 curve approx	12 kPa
		4 curve approx	8 kPa
Compression set	With 50% compression ISO 1856 After 72 h 23 °C After 22 h 70 °C	12 h recovery 10% 20%	24 h recovery 5% 10%
Heat conductivity at 10 °C	DIN 52612 resemblance ISO 2582	0,034 W/mK	
Temperature resistance	-60°C to > 150 °C permanent	3 weeks at 200 °C 24 h at 250 °C 3 h at 300 °C Light brown discoloration possible	
Burning through performance 50 mm sheet, propane gas flame approx 1100 °C	Internal company test	15 sec	
Chemical resistance	Resistant to	Organic solvents And a number of diluted acids and alkalae. See table	
Resistance airflow specific To length	DIN 52213	9900 N.s/m ⁴	
Size of the pores	Main quantity Largest pore	140 – 145 μ 175 μ	



Installation:

When the SonexAsia acoustic products are glued against the ceiling/wall. The surface where the tiles will be installed must be clean. During installation we recommend gloves to be worn to prevent pollution of the panels during installation.

When opening the cartons each pair of product is folded open [pyramid products] and adhered with the adjoining edges butting up to each other.

Non-absorbent surface: use silicon adhesive and apply a bead of silicon adhesive along all four edges and in the center of the tile.

Absorbent surface: coat the dry surface [or the tile] with adhesive [approx 1 kg per m²] and position and affix the tiles.

Product advantage

- Excellent acoustic properties in a wide frequency range
- Products meet all international fire regulations
- Open cell structure, which guarantee a high acoustic performance
- Low density [approximately 11 kg/m³]
- Easy to install
- Safe for human and environment
- Resistance against high humidity

Building material classification

Germany: B1 hardly flammable in accordance with DIN 4102. Low non-toxic smoke emission

USA: ASTM E162 full filled

UK: BS 476, Part 6 & 7 class 1

▲ **Interdesign head office Jakarta, Indonesia.** SonexAsia Hexagon at the ceiling and Pyramid 50 coated in orange are installed at the wall.

▼ **Restaurant Sydney.**



Dimensions

Standard dimension:

- 1250 x 625 x thickness [mm] ;
625 x 625 x thickness [mm]
- 1250 x 1250 x thickness [mm]
- other dimensions on request

Dimensional tolerances

According DIN 7715 P3. Due to fluctuations in atmospheric humidity significant dimensional tolerances may occur.

Colours

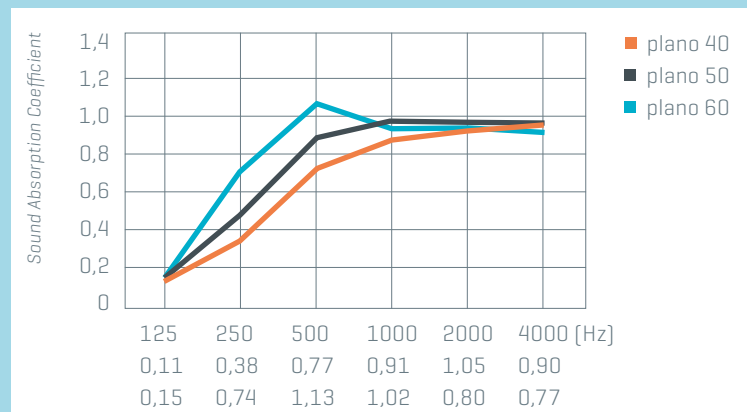
Standard colours are white and light grey. Non-standard colours may be provided to RAL colours upon request, depending on quantity.

Environment and Safety

All products supplied by SonexAsia are environmental friendly and safe for humans. The products are free from synthetic and natural mineral fibres, halogens and CFC's

We are proud that our products are certified with the Eco certification.

Sound Absorption Coefficient



‘We offer a range of both standard and bespoke solutions’



- ▲ Multi purpose hall Sydney Australia.
- Café Singapore.



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