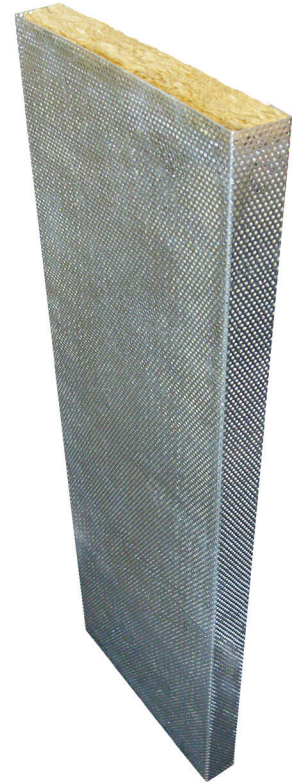


Technical Data Sheet

SuperPhon Hardface is a highly sound-absorbent acoustic treatment encased in a perforated galvanised steel or aluminium casing making it suitable for high-traffic areas and environments where vandalism may be an issue, such as prisons, police stations and industrial areas. Visually, the perforated steel casing conveys a strong contemporary aesthetic feel, ideal for residential or commercial applications, which can be powder-coated in any RAL colour to complement any interior.

Black or white glass tissue facings or Melinex can be applied to the acoustic core to enhance the product's appearance and protect from the majority of common substances. Alternatively, a range of coloured fabrics in Cara or Lucia styles can be employed for greater aesthetic flexibility.



PHYSICAL INFORMATION

Dimensions

Standard thicknesses: 50mm / 75mm / 100mm
(25mm panels also available on request)

Standard widths: 300mm (50mm, 75mm & 100mm thick)
450mm (50mm & 75mm thick)
600mm (50mm & 75mm thick)

Non standard slab sizes and thickness are available upon request.

BENEFITS

- Resistant to malicious or accidental damage
- Excellent acoustic and thermal insulation properties
- Fire and temperature resistant
- Chemically inert
- Easy to install
- Vermin and rot resistant

TECHNICAL INFORMATION

Moisture Resistance

The acoustic core is resistant to humidity and moisture, a property which can be enhanced by the application of glass tissue or Melinex facings.

Acoustic Performance

There are two SuperPhon Hardface options available:

Standard (45Kg/m^3) and High Density (100Kg/m^3).

Standard Variant

Thickness	Width (mm)	Frequency (Hz)					
		125	250	500	1000	2000	4000
50mm	300 / 450 / 600	0.25	0.65	1.05	1.10	1.05	0.96
75mm	300 / 450 / 600	0.50	1.05	1.20	1.15	1.10	1.13
100mm	300	0.80	1.15	1.20	1.15	1.10	1.10

High Density Variant

Thickness	Width (mm)	Frequency (Hz)					
		125	250	500	1000	2000	4000
50mm	300 / 450 / 600	0.35	0.85	1.10	1.10	1.15	1.05
75mm	300 / 450 / 600	0.44	1.00	1.00	1.00	1.00	1.00
100mm	300	0.75	1.10	1.15	1.15	1.15	1.05

STORAGE AND HANDLING

SuperPhon Hardface should be handled with care in order to avoid damage. Panels should be stored flat and covered in a clean, dry, well-ventilated area.

CLEANING AND MAINTENANCE

SuperPhon Hardface is a system that requires virtually no cleaning or maintenance other than light vacuum cleaning with a soft brush attachment at six monthly periods or more frequently if the panels are located in a dusty environment. For other contaminants to the surface of the panels wiping with a clean cloth and detergent solution is all that is required. Fixings should be checked at bi-annual periods and should be tightened if required.