

## Technical Data Sheet

SuperPhon Hardface is a highly sound-absorbent acoustic treatment encased in a perforated galvanised steel 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 can be applied to the acoustic core to enhance the product's appearance and protect from the majority of common substances.

### PHYSICAL INFORMATION

	Height (mm)	Width (mm)	Depth (mm)
Full panel	2400	750	25/50
Half vertical panel	2400	300	25/50/75/100
Half horizontal panel	1000	750	25/50/75/100
Quarter vertical panel	1200	300	25/50/75/100
Quarter horizontal panel	1000	500	25/50/75/100

### BENEFITS

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

### Reaction to Fire

A2-s1,d0 to BS EN 13501-1

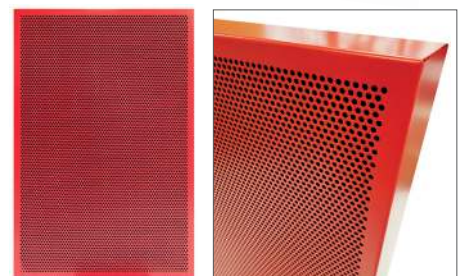
Valid for:

- any substrate A1 or A2-s1,d0 with a density  $\geq 525 \text{ kg/m}^3$
- without airgaps / cavities
- tissue facing only
- mechanical fixings only

### TECHNICAL INFORMATION

#### Acoustic Performance

There are two SuperPhon Hardface options available: Standard ( $45\text{Kg/m}^3$ ) and High Density ( $100\text{Kg/m}^3$ ).



### 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.

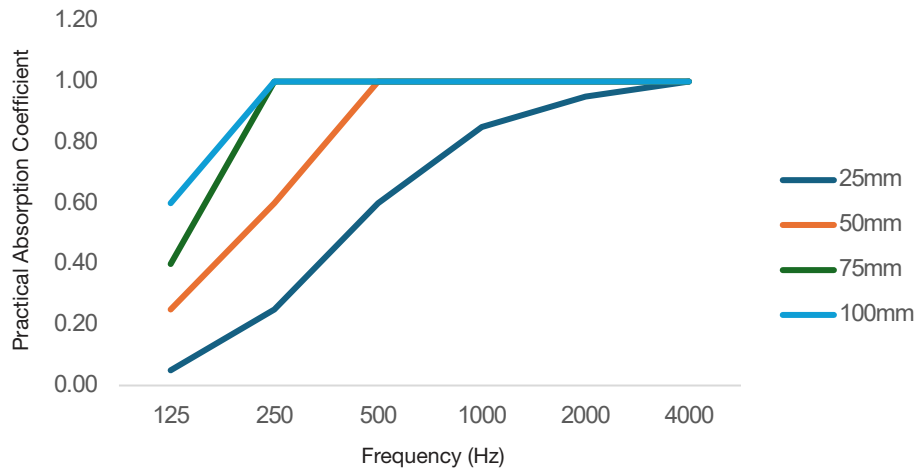
### CLEANING AND MAINTENANCE

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.

## The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Hardface (Standard Density)		Test Certificate	Frequency (Hz)								NRC	$\alpha_w$	Class
Depth	Density		63	125	250	500	1000	2000	4000	8000			
25mm	45kg/m <sup>3</sup>	11174	n/a	0.05	0.25	0.60	0.85	0.95	1.00	n/a	0.65	0.55 (MH)	D
50mm	45kg/m <sup>3</sup>	11176	n/a	0.25	0.60	1.00	1.00	1.00	1.00	n/a	0.95	0.90	A
75mm	45kg/m <sup>3</sup>	11178	n/a	0.40	1.00	1.00	1.00	1.00	1.00	n/a	1.10	1.00	A
100mm	45kg/m <sup>3</sup>	11181	n/a	0.60	1.00	1.00	1.00	1.00	1.00	n/a	1.15	1.00	A

SuperPhon Hardface (High Density 45kg/m<sup>3</sup>)



## The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Hardface (Standard Density)		Test Certificate	Frequency (Hz)								NRC	$\alpha_w$	Class
Depth	Density		63	125	250	500	1000	2000	4000	8000			
25mm	100kg/m <sup>3</sup>	11175	n/a	0.10	0.30	0.80	1.00	1.00	1.00	n/a	0.80	0.60 (MH)	C
50mm	100kg/m <sup>3</sup>	11177	n/a	0.30	0.75	1.00	1.00	1.00	1.00	n/a	1.00	1.00	A
75mm	100kg/m <sup>3</sup>	11179	n/a	0.55	1.00	1.00	1.00	1.00	1.00	n/a	1.10	1.00	A
100mm	100kg/m <sup>3</sup>	11182	n/a	0.75	1.00	1.00	1.00	1.00	1.00	n/a	1.10	1.00	A

SuperPhon Hardface (High Density 100kg/m<sup>3</sup>)

