

PYROSORB-S-V1

Class 'O' acoustic composite, comprising fire resistant foam with a fire resistant polymeric coating.

**PRODUCT
FORMAT:**

Sheet material sprayed on one side only.
Colour: Black

Standard sheet size: 2m x 1m
(Other sizes on request)

Thickness: 6 to 100 mm

PROPERTIES:

Coating provides improved resistance to water, oil, petrol., detergents and diesel. Surface can be wiped clean and gives increased durability.
Large improvement in mid frequency acoustic absorption. Slight loss in performance at frequencies above 3Khz.

FIRE RATING:

Foam: Class 'O'
Composite: Class 'O'

USAGE:

Dust free surface for computer environments.
Improved barrier to water on acoustic lining of inlet ductwork.
Absorptive linings in under bonnet or other engine applications.

**PRODUCT
OPTION:**

PYROSORB-S-V1-AD (Self-adhesive)

REF: C141093a PSSV1

PYROSORB-S-V1

ACOUSTIC PERFORMANCE OF PYROSORB-S-V1

ASTM C384 and BS3638: 1963 are both standard tests for measuring absorption coefficients. ASTM C384 is a laboratory scale test measuring normal incidence coefficients. BS3638 is a full-scale reverberation room test measuring random incidence coefficients. Both methods give an indication of the potential performance of the material under the test. Whilst the latter reverberation room method may prove more relevant in most practical situations, neither test can predict overall performance in a real application.

Absorption Coefficients: ASTM C384

Thickness (mm)	Frequency (Hz)					
	125	250	500	1000	2000	4000
12	—	0.18	0.31	0.53	0.74	0.60
25	—	0.24	0.45	0.60	0.71	0.70
50	—	0.46	0.50	0.64	0.84	0.86

Absorption Coefficients: BS3638: 1963

Thickness (mm)	Frequency (Hz)					
	125	250	500	1000	2000	4000
12	0.06	0.15	0.31	0.54	0.81	1.03
25	0.14	0.33	0.59	0.82	1.02	0.98
50	0.30	0.68	1.00	1.10	0.99	0.99

REF: C141093b.doc replacing C2404912