



Muftilag®

Muftilag is a three part acoustic laminate. Acoustic laminate combine the three acoustic properties of; absorption, damping and blocking within a single material, making them suitable for a wide variety of applications including both remedial work and new build.

Acoustic laminates work in the following manner; they have absorption layers that reduce the reverberant noise, the barrier section reduces transmitted noise, the spacer portion isolates the barrier from the structure, improving the acoustic performance of the composite. Facings reduce high frequency absorption but only have a marginal effect on overall performance.

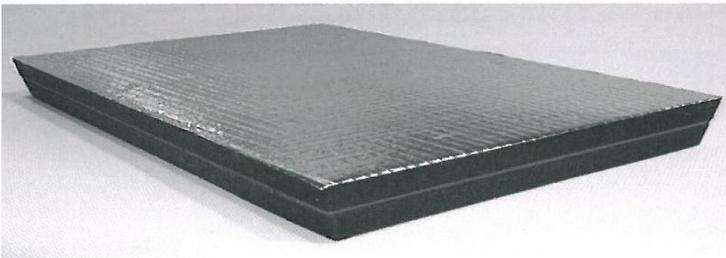
Muftilag is available in the following grades:

Muftilag original with a lead barrier core,

Muftilag Prima with a polymeric barrier core

Muftilag hygiene differs from standard muftilag because it uses foam as an absorption layer rather than quilted fibre, meaning it can be used in clean room environments that have to be kept fibre free.

Muftilag is a highly versatile, acoustically efficient material manufactured from shot free, non-combustible glass mineral wool that is quilted to prevent de-lamination and fibre migration. The centre mass core is faced with either a Class O foil vapour barrier or a further layer of quilting. Muftilag is strong, resilient, rot proof, odourless, non-hygroscopic, will not sustain animal life and does not support fungi, mould or bacteria. Muftilag is dimensionally stable under a range of temperature and humidity, it is compatible with the normal range of structural materials it is applied to.



Muftilag Hygiene



Muftilag Original

Applications

Applications include:

- vehicle engine compartments linings,
- complex jacketing for pumps, compressors, turbines and fans
- Ship engine room insulation
- Removable pipe and duct lagging
- Acoustic screens

Muftilag can be supplied in sheets or cut in complex shapes for specialist applications, edge binding and eyelets can be provided for intricate fittings..



BS EN ISO 9001 : 2008
REGISTERED FIRM
CERT NO. 1054



BS EN ISO 14001 : 2004
REGISTERED FIRM
CERT NO 1054

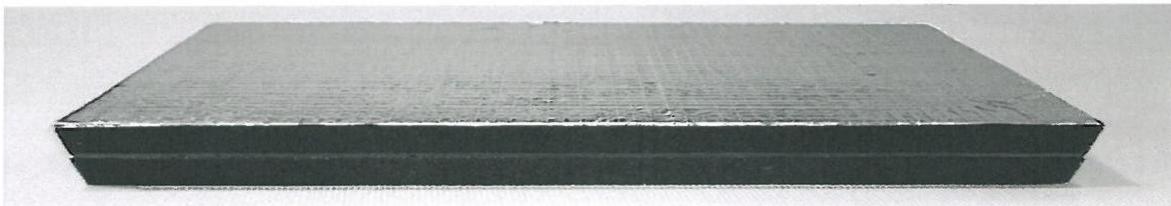




Muftilag® hygiene

Acoustic data- Sound Absorption (dBA)

Frequency (Hz)	63	125	250	500	1000	2000	4000
Laminate 5kg/m ² 25mm Thickness 12f/5b/12f 12mm Class O Foam, 5kg/m ² Barrier, 12mm Class O Foam	7.3	14.0	16.8	19.0	23.5	28.1	33.2
Laminate 10kg/m ² 25mm Thickness 12f/10b/12f 12mm Class O Foam, 10kg/m ² Barrier, 12mm Class O Foam	9.4	16.1	18.0	21.0	23.9	28.5	28.5
Laminate 5kg/m ² 50mm Thickness 25f/5b/25f 25mm Class O Foam, 5kg/m ² Barrier, 25mm Class O Foam	7.6	14.6	17.2	21.5	26.2	31.1	36.8
Laminate 5kg/m ² 25mm Thickness 25f/10b/25f 25mm Class O Foam, 10kg/m ² Barrier, 25mm Class O Foam	10.5	16.3	19.4	23.4	26.4	31.4	31.3
Absorption Coefficient ISO (random Incidence)							
Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Laminate 20mm Thickness Absorption Coefficient	0.08	0.14	0.22	0.32	0.40	0.53	0.27
Laminate 39mm Thickness Absorption Coefficient	0.08	0.20	0.56	0.93	0.84	0.92	0.63



Note: The information and instructions provided in relation to our products are based on experimental and practical experience and are general recommendations. Local conditions can affect the results and as the qualification and experience of the personnel used in the installation is beyond the control of Cammach Group Ltd we do not take responsibility for the results obtained when using our products.

