



ML5/hd Acoustic Curtain

ML5/hd Acoustic Curtains are manufactured from shot free, non-combustible, glass mineral wool, during manufacture this is quilted to prevent de-lamination and fibre migration. The glass mineral wool is bonded each side to a central core, comprising a polymeric mass layer. The resulting product is further encapsulated within a weather proof, heavy duty, silicon coated E-glass cloth, which is fully stitched and hemmed. This manufacturing process generates a strong and resilient product that provides a cost effective acoustic curtain suitable for in or outdoor use. ML5/hd is rot proof, odourless, non-hygroscopic, it does not sustain vermin or encourage the growth of fungi, mould or bacteria. ML5/hd curtains are dimensionally stable under a range of temperature and humidity conditions, it will not react with a range of surfaces it is likely to be in contact with.



Application

Applications include offshore and marine machinery enclosures, vehicle engine bay lining, complex jacketing of pumps, compressor and generators, acoustic screens, engine room insulation and turbine lagging.

The curtains can be up to 3000mm in length by 1200mm wide and can be tailored to suit the unique requirements of the application. Curtains can be secured by using eyelets, straps, buckles or velcro fastenings.





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Physical Properties

Mass of Core:	5kg/m ²
Glass Fibre Density:	22kg/m ³
Operating Temperature Range:	-30°C to 180°C
Fire Resistance:	BS 476 Part 4 Class 1 Surface spread of flame when tested to BS 476 Part 7 Facing complies with Class O – tested to BS 476 Part 7 1987.
Polymeric Barrier:	FMVSS 302 self extinguishing.
Chemical Resistance:	Oils, fuels, most solvents including water.
Silicone Coated Cloth	One sided silver grey silicon @ 80g/m ² Basic fabric will withstand 550°C (unstressed), melting point 800°C.

Transmission Loss ML5/hd

Frequency (Hz)	Source (dB)	Receiver (dB)	RT60 (s)	Diff (dB)	SRI (dB)
50	78.6	67.9	15.3	10.7	11.9
63	80.5	72.9	10.6	7.7	7.3
80	96.0	82.1	11.5	14.0	13.9
100	95.0	83.8	10.5	11.2	10.8
125	96.0	81.9	11.4	14.1	14.0
160	97.2	81.7	12.1	15.5	15.7
200	91.4	77.4	12.3	14.0	14.2
250	94.3	78.0	13.2	16.2	16.8
315	95.9	79.1	11.0	16.8	16.5
400	94.7	77.8	12.7	17.0	17.3
500	93.4	73.7	10.1	19.6	19.0
630	91.2	70.0	9.7	21.2	20.4
800	90.8	68.1	8.7	22.7	21.4
1000	91.5	66.5	8.0	25.1	23.5
1250	89.8	63.0	7.1	26.8	24.6
1600	89.8	60.8	6.4	29.1	26.5
2000	92.0	60.8	5.7	31.2	28.1
2500	91.2	58.3	4.6	32.9	28.9
3150	88.9	53.1	3.7	35.9	30.9
4000	85.7	46.6	3.0	39.1	33.2
5000	83.9	42.7	2.2	41.2	33.9
6300	82.1	37.6	1.7	44.6	36.1
8000	84.7	37.9	0.9	46.8	35.7
10000	82.9	36.2	1.7	46.7	38.4

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.

