

Taptiles

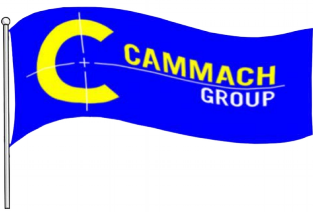
Taptiles is a laminate, comprising a polymeric barrier and two layers of mineral wool, it may be used for noise control in a range of environments. Typical applications include recording studios and cinemas. The polymeric barrier can be supplied in one of three weights 5, 10 and 15kg. The mineral wool layers can be supplied in one of three thicknesses; 25, 50 and 75mm which are fixed to the polymeric barrier forming a semi-rigid or rigid sheet. The composite tiles can be manufactured in sizes up to 1200mm in length and 1200mm in width.

Taptiles can be supplied with a range of facings, including plain, cut to suit any application, to any shape or size.



- Operating Temperature:** 150°C continuous, up to 250°C (depending on materials used), down to -273K providing a 100% vapour barrier can be maintained.
- Fire Performance:** Mineral wool is Class O to building regulations. Class 1 (very low surface spread) when tested under BS 476 Part 7 and Part 6. Non-combustible to BS 76 Part 4.
Polymeric Barrier FMVSS 302 self-extinguishing.
- Permanence:** Mineral wool is rot proof, odourless, non-hygroscopic, does not form a food source for animals and birds and will not encourage the growth of fungi, mould or bacteria.
- Nominal Density Range:** 32 to 200kg; dependant on mineral wool used.
- Tile Size:** 1200mm x 600mm (standard). Special size and shape on request.
- Thickness:** 24 to 200mm depending on thickness of mineral wool layers





Taptiles

	Frequency (Hz)						
Taptile Lead	63	125	250	500	1k	2k	4k
25mm thk 60kg mineral wool 5kg acoustic grade lead 25mm thk 60kg mineral wool	15	18	22	30	42	52	55
50mm thk 60kg mineral wool 5kg acoustic grade lead 50mm thick 60kg mineral wool	20	19	22	31	42	52	56
25mm thk 60kg mineral wool 10kg acoustic grade lead 25mm thk 60kg mineral wool	22	21	24	32	43	52	58
50mm thk 60kg mineral wool 10kg acoustic grade lead 50mm thk 60kg mineral wool	23	22	26	34	43	53	59
50mm thk 60kg mineral wool 10kg acoustic grade lead 75mm thk 60 kg mineral wool	26	24	28	35	44	53	59
Taptile Polymeric Barrier							
25mm thk 60kg mineral wool 5kg Polymeric Barrier 25mm thk 60kg mineral wool	17	16	21	28	41	50	53
50mm thk 60kg mineral wool 5kg Polymeric Barrier 50mm thk 60kg mineral wool	16	18	21	30	42	51	54
25mm thk 60kg mineral wool 10kg Polymeric Barrier 25mm thk 60kg mineral wool	20	21	23	31	43	52	57
50mm thk 60kg mineral wool 10kg Polymeric Barrier 50mm thk 60kg mineral wool	22	21	24	33	43	53	58
50mm thk 60kg mineral wool 10kg polymeric Barrier 75mm thk 60kg mineral wool	22	23	26	34	44	53	58

All the above Taptile configurations include 1mm steel cover plate



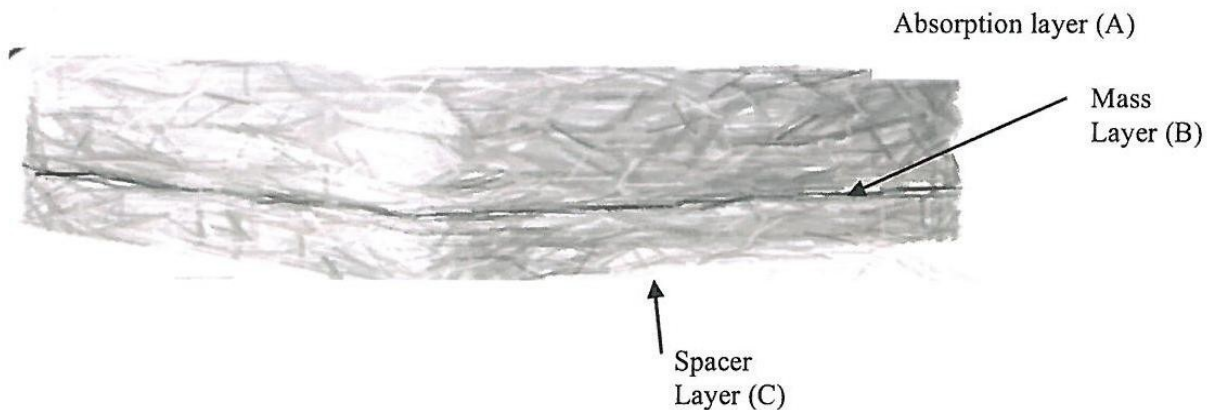


Taptiles

Taptiles combine the three acoustic properties of absorption, damping and blocking within a single material, making them suitable for a wide variety of applications. The multi-purpose nature of TAP laminates makes them particularly suitable for retrospective and new build noise reduction, the material is normally applied between studwork or between bulkheads and perforated metal layer for offshore and marine applications.

Taptiles are available in the following types:

- Heavy Polymeric barrier Core
- Lead Barrier Core
- Glass Mineral Wool
- Rock Mineral Wool



How the Product Works

The absorption layer (A) reduces reverberant noise

The mass layer (B) blocks the transmitted noise.

The spacer layer (C) isolates the barrier from the structure and improves Taotile's effectiveness.

The optional facing reduces high frequency sound absorption but has only a marginal effect on overall acoustic performance.

Technical Details

Core density: 5kg/m²
Composite Thickness: 52mm
Base material: 60kg Rock Mineral Wool

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.

