



Taptiles

Introduction

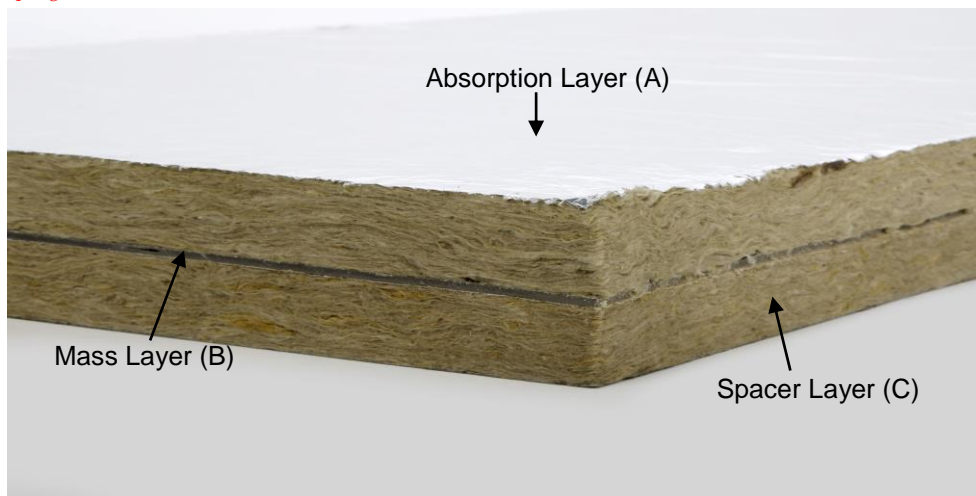
Taptiles are a multi-layered composite, which are widely used for noise control purposes in a variety of applications. They are ideally suited for recording studios and cinema type applications. The semi-rigid sheets are laminated and are combined with a mass layer of polymeric barrier, which is available in weights of 5, 10 or 15kilo. These highly efficient sound barrier tiles can be manufactured to any size up to 1200mm in length and 1200mm wide.

This very versatile product is available either plain or with a selection of facings and can be manufactured to a specific application and can be supplied cut to almost any shape or specific size.

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 remedial and DIY noise reduction operations as well as music studios and cinemas, between studwork.

Diagram to show the multi layered laminate - Taptiles

TAP Spec guide



TAP Spec guide

The Acoustic Laminate Principle

The absorption layer (A) reduces reverberant noise.

The mass layer (B) blocks transmitted noise.

The spacer layer (C) isolates the barrier from the structure and improving its performance.

An optional facing generally reduces high frequency absorption but have only a marginal effect on overall performance.

For further information call 01255 475 475

Taptiles

Technical Details

Taptile Polymeric Barrier	Frequency (Hz)						
	63	125	250	500	1K	2K	4K
25mm thick 60kg mineral wool 5kg polymeric barrier 25mm thick 60kg mineral wool	17	16	21	28	41	50	53
50mm thick 60kg mineral wool 5kg polymeric barrier 50mm thick 60kg mineral wool	16	18	21	30	42	51	54
25mm thick 60kg mineral wool 10kg polymeric barrier 25mm thick 60kg mineral wool	20	21	23	31	43	52	57
50mm thick 60kg mineral wool 10kg polymeric barrier 50mm thick 60kg mineral wool	22	21	24	33	43	53	58
50mm thick 60kg mineral wool 10kg polymeric barrier 75mm thick 60kg mineral wool	22	23	26	34	44	53	58



TAP Spec guide

Fire Performance:

Rock & Glass mineral wool

Euro-class A1

Polymeric barrier:

FMVSS 302 self-extinguishing

Nominal density range:

60kg

Standard - 1200mm x 600mm or special size available upon request.

Thickness:

50mm up to 100mm

www.tapacoustic.com