



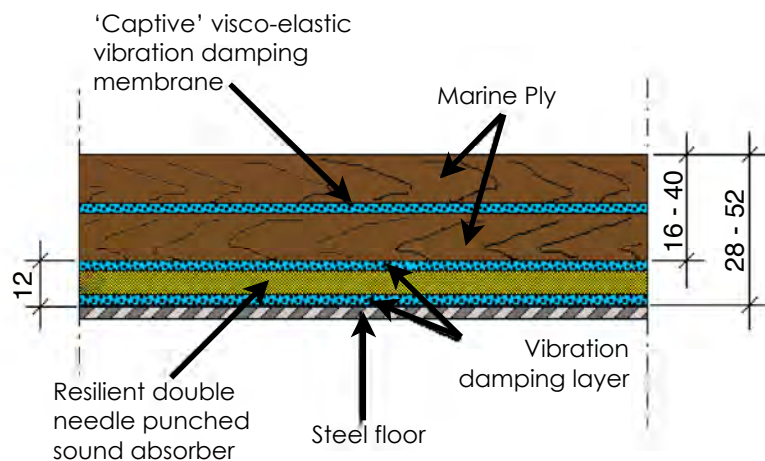
ACOUSTICA® MARINE FLOATING FLOOR

For Sound & Vibration Damping

Acoustica's Patented Marine Floating Floor System controls noise transmission, by damping the highly resonant steel or aluminium floor structure and removing energy from the resonant vibration.

The Floating Floor System combines three layers of "viscoelastic" damping membranes combined with a needle punched sound absorber and two layers of marine ply that in combination offer the following advantages.

- The 'Captive viscoelastic' vibration damping layer laminated between the two layers of marine ply, together with the first layer of damping material 'floating' over the resilient sound absorber are designed to absorb vibrations generated into the ply wood panels.
- The high-density (160 kg/m³) resilient double needle punched polyester matting act as a very efficient sound absorber as well as a vibration isolator.
- The 'viscoelastic' vibration damping membrane in contact with the steel floor effectively dissipates the vibrational energy. The level of damping can be augmented, to increase energy dissipation in particular vibration modes. In this way, the response of a structure driven at a resonant frequency can be greatly decreased. This in turn can significantly reduce overall motion or acceleration of a system or product.
- The marine ply offers an excellent base to accept any type of finished flooring material.



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Marine Floating Floor

SUPPLY

Floating Floor dimensions -- Standard

With 2 layers of Marine Ply each @ mm height	Overall Floor Height	Width	Length
6 mm	28 mm	1200	2400
9 mm	34 mm	1200	2400
12 mm	40 mm	1200	2400
14 mm	44 mm	1200	2400
16 mm	48 mm	1200	2400
18 mm	52 mm	1200	2400

Other overall thicknesses and 'mix' available on request.

