

## Installation

**SIDERISE® Aquafon** acoustic barrier for marine applications is normally fixed using through mechanical fixings such as insulation support pins with non-return washers. The frequency of use is influenced by the orientation of the barrier (e.g., vertical or underside of horizontal) and the presence of any secondary cladding providing additional restraint.

As a general guide fixings should be provided at 300mm centres. Suitable insulation support pins include: spotwelded; separate adhesive and self-adhesive. In the case of the latter, it is essential to secure the self-adhesive base to the background by additional mechanical fixing e.g., blind riveting, self-tapping screws, etc.

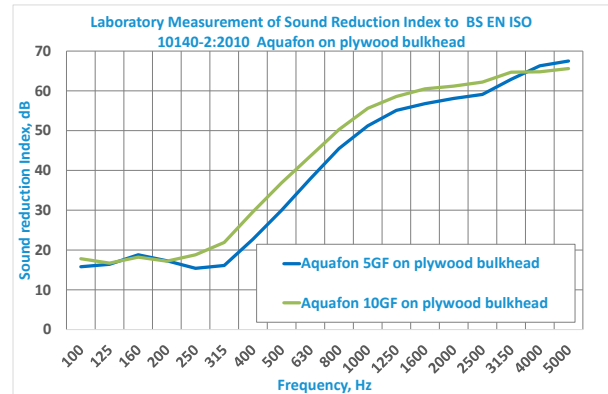
To maximise acoustic performance, it is important to maintain continuity of the sound barrier membrane. For this reason, the product should butt jointed with the joint sealed by the application of a self-adhesive aluminium foil tape.

## Acoustic Performance

### Laboratory measured SRI (BS EN ISO 10140-2:2010)

#### Rating according to BS EN ISO 717-1:2013

Aquafon 5GF on plywood bulkhead	31dB R <sub>w</sub>
Aquafon 10GF on plywood	34dB R <sub>w</sub>



The improvement in sound transmission loss for the application of Aquafon to a light-weight structure is dependent on a number of factors.

These include:

- Selected membrane weight
- Surface weight of the original background sheet

Typical level of improvement in sound reduction performance for the application of a single layer of Aquafon 10GF to a plywood bulkhead is:

18dB (mean value for frequency range 100 – 3150 Hz)