



INSTALLATION GUIDE



QUIETLIFE SOUNDPROOFING

The Quietlife Soundproofing Family

Slimslab 23 - Standard 32 - 2 Quiet 45 - Super 58 - QuietLITE 58

Thank you for choosing **Quietlife Soundproofing** for your Vessel.

With careful planning this product will be simple to fit, give exceptional noise absorption results and years of trouble free service.

Preparation

Please read these instructions carefully. You must ensure that all of the surfaces which will have **Quietlife Soundproofing** stuck to them are clean and dry in order to ensure best adhesion. Plan so that sheets can be cut and placed into final position. Equipment that is bolted through the soundproofing to the bulkhead behind can resonate, so try to isolate these items to minimise noise transmission. In large engine rooms, you can reduce the amount of **Quietlife Soundproofing** required by making a plywood box to cover the engines OR by using panels which can be easily removed. These can then be lined with **Quietlife Soundproofing**.

Noise will travel in a straight line and some noise will bounce off any hard surfaces causing resonance. Position the **Quietlife Soundproofing** in front of these surfaces to absorb the noise.

Most Important

In all cases **Quietlife Soundproofing** must be installed with the facing sheet ('O' Foil or Glass Cloth) facing towards the engine. The principle is that the Fire proofed facing protects the Soundproofing and the thickest foam (15, 25 or 50mm) absorbs the airborne noise. The Barrier (Lead loaded Polymeric or Lead) helps to prevent the bulk of the noise from traveling through, by bouncing it back. The barrier is then isolated from the mounting surface by the 6mm foam layer.

Although Fireguard foam is Fire resistant to BS476, we recommend that **Quietlife Soundproofing** products DO NOT touch the engine or any HOT surface such as the exhaust system.

DO NOT restrict the air flow to the engine. Try to restrict the airborne noise as much as possible. In some cases you may need to stagger the **Quietlife Soundproofing**, for example in air vent systems where you have to allow air in but no noise out. We strongly recommend you comply with the engine manufacturers requirements regarding the air flow and ventilation in and around the Engine and the Electrical systems.

Need to Cut a sheet?

A long blade knife (e.g. carving knife) can be used to ensure sheets are cleanly cut. Use a straight edge guide to keep the job neat. **Quietlife** types with a lead barrier may have to be cut with industrial scissors. Always take great care with

sharp blades. A full, uncut sheet may be the quickest to fit, but some time spent planning now will help to achieve a neat and effective installation. Make sure sheets are cut square and if you butt sheets together there should be NO gaps. Sealing Tape 801014 can be used to cover joints.

Fixing

The most popular fixing method is to use a neoprene based spray adhesive. Most good quality brands are suitable, but **Quietlife** 801002 adhesive is obviously ideal. (Always test the adhesive on a small piece of Soundproofing to ensure compatibility). One 500ml aerosol of 801002 adhesive will provide sufficient adhesive to fix 2.4m, of **Quietlife Soundproofing** (4 off 1000 x 600 mm Sheets). Ensure all surfaces are clean, dry and free from dust particles, oils and greases. Follow the instructions on the can, paying particular attention to any health and safety notices. Apply the adhesive to the 6 mm Fireguard Mounting foam, remembering that contact adhesive does not need to be applied in a heavy handed form, instead apply a thin and even coating to both surfaces. Leave to cure properly (touch dry) for the best results, before pressing into the final position. Once fixed you will not be able to reposition without damaging the sheet.

Mechanical fixing plastic washers, for example 801022, are recommended either when fixing sheets to vertical bulkheads, ceilings and areas above the engine, or, on the underside of flooring, roofs and hatches etc, to give extra support to the Quietlife High Density Fireguard Foam.

Battens are also a very useful way to give extra support to the material, either across the sheet and/or on the edges. These can also be used with the fixing washers above. Remember that if you use Alloy or Steel strips these will allow the noise to bounce off the surface and may resonate and may not be as effective as thin wooden battens.

Fluid absorption

Both **Quietlife** 'O' Foil and Glass Cloth facings are designed to be impervious to the ingress of Water, Oil and Diesel. Sealing tape 801014 can be used to seal off any exposed edges and joints. Fireguard Foam is an open cell foam structure and if this comes in contact with Bilge water, it is possible for the water to rise within the sheet by capillary action. It is not normal practice to soundproof below the bilge water level. We recommend you cut clean through the sheet and seal the edges with 801014 tape. Then butt the edges back together making sure there are no gaps for the noise to penetrate, as this will affect the efficiency of the Soundproofing.

Hatch Tape

801018 Self adhesive foam hatch tape can be used to cushion hatches and doors and to seal gaps helping to prevent the escape of air borne noise.

Type Approval

Quietlife foam based soundproofing products use materials that are Fire retardant to BS476 Class 'O'. That means, they will not burn. The facings used are also flame retardant and impervious to Water, Diesel and Oil ingress. As such **Quietlife Foam Based Soundproofing** meets the requirements of the RCD. *For passenger carrying vessels, we would strongly recommend that you contact your local inspectors office as regulations may change and confirmation from your inspector now is far better than hassle later!*

FireBatt 2000 is the only Soundproofing type approved for use in CLASS V Passenger Carrying Vessels. This product is effective as a fire barrier, to the specified burn time. Unfortunately this product does not have the same sound absorption qualities as the Quietlife foam based products. It may be possible to use these products in conjunction with **FireBatt 2000**.

FireBatt 2000 cannot be fixed with contact adhesive due to the structure of the material (mineral wool). Fixing will have to be by the use of Stick pins (801025) which have self adhesive backing. Alternatively you may prefer to use weld on pad type, battens, or perforated zinc type sheeting.

*If you have any questions about **Quietlife Soundproofing** products, then please do not hesitate to contact us.*

We also welcome your comments and / or suggestions regarding installation and application of these products.

*Other members of the **Quietlife** family include.....*

*Exhaust Silencers / Mufflers / Waterlocks & Seperators
Dry Exhaust Pipe / Air Filters / Exhaust Lagging*

✓ *Environmentally friendly products*

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