

SeaRox

Marine & Offshore
Insulation

SeaRox Acoustic Foil System

Especially made for sound
absorption in engine rooms

ROCKWOOL®
TECHNICAL INSULATION

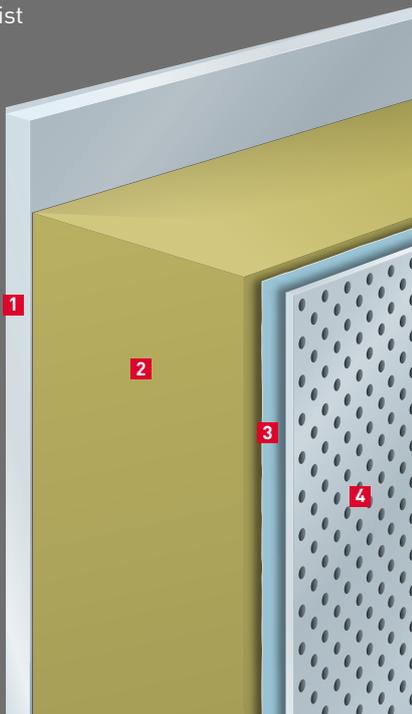


SeaRox Acoustic Foil System

SeaRox Acoustic Foil system especially designed for sound absorption in engine rooms

- Optimal sound properties
- Resistant to oil/oil mist
- Tested and approved
- Easy installation

- 1 Steel plate
- 2 SeaRox insulation
- 3 SeaRox Acoustic Foil
- 4 Perforated steel plate



Providing fire protection and noise reduction, in areas where mechanical strength and resistance to oil contamination are required, has always been a challenge.

Now ROCKWOOL Technical Insulation has a solution which addresses all these issues; SeaRox Acoustic Foil as part of the optimal system for sound absorption specifically designed for engine rooms, cargo pump rooms and similar applications.

Traditional solutions of insulation incorporating either an alu-foil or steel plate finish are very good for fire protection and the prevention of oil contamination, but these surface materials unfortunately reduce the otherwise excellent noise absorption properties of the insulation behind.

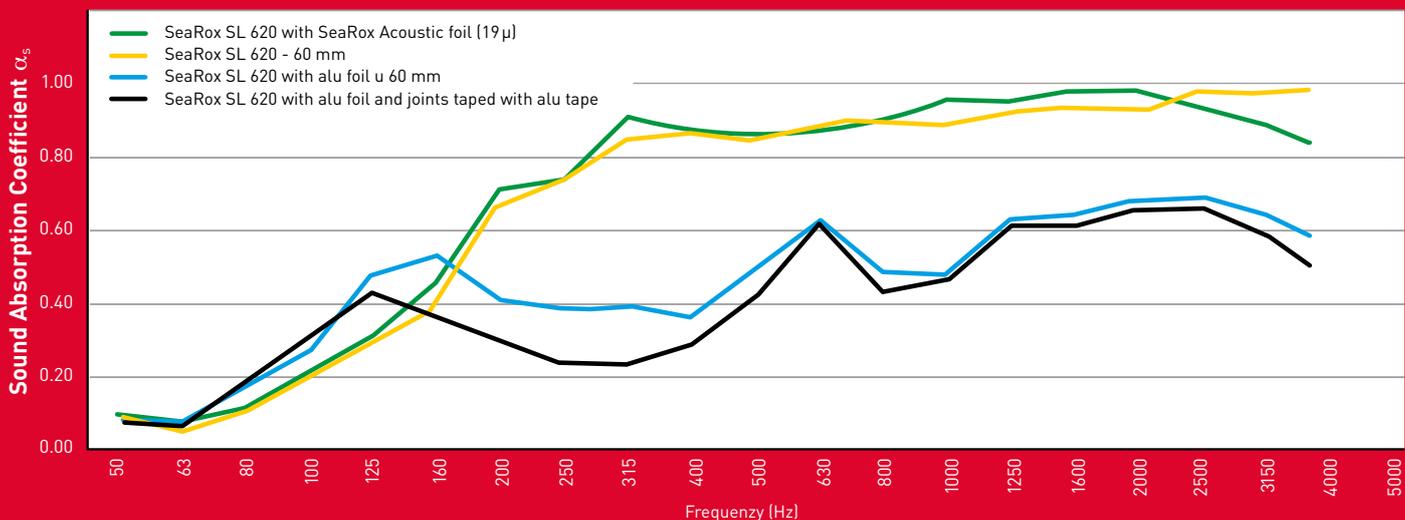
By using the SeaRox Acoustic Foil system, the noise absorption properties of the SeaRox material will remain.

SeaRox Acoustic Foil is a very strong, thin and durable film which is highly resistant to oil mist compared to the normal solution in the market based on reinforced aluminium foil (measured according to modified version of ASTM E96).

The film (which covers the mineral wool insulation and is then covered by a perforated steel plate) has been tested for surface flammability, according to IMO Res MSC.61(67), annex 1 part 5 and IMO res 653(16), by the Danish Institute of Fire Technology. The result is in full compliance with SOLAS.

To obtain the optimal sound properties the film must be fitted loosely with a small gap between the film and the insulation.

Absorption for SeaRox SL 620

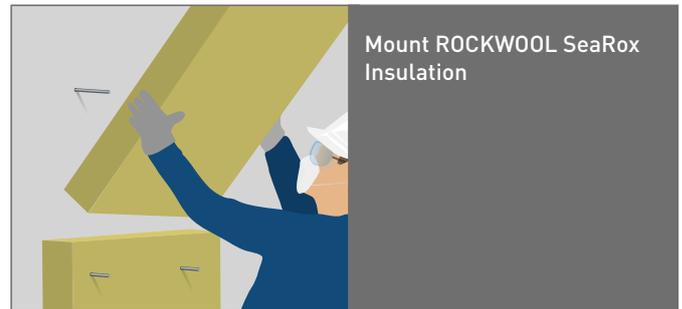


Easy Installation

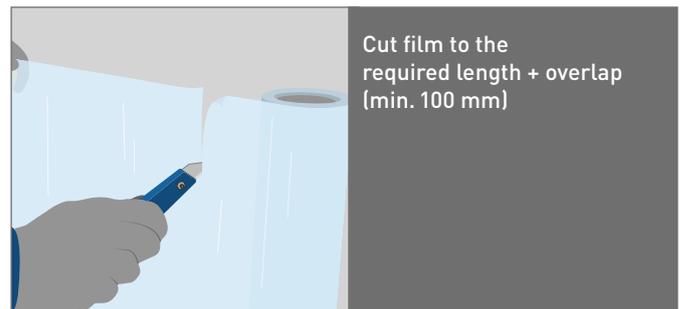
SeaRox Acoustic Foil must not be fixed directly to the ROCKWOOL material. It is essential that the film is fitted loosely, with a small gap between the insulation and the film. This is either done by wrapping it around the slabs or by utilising the welding pins required to secure the wool to the substrate.

The film should be overlapped by 100 mm minimum. Although the film is very strong, in some cases it may be necessary to reinforce any penetrations (from pins etc.) with self adhesive tape. If the film is damaged you need to replace the full length.

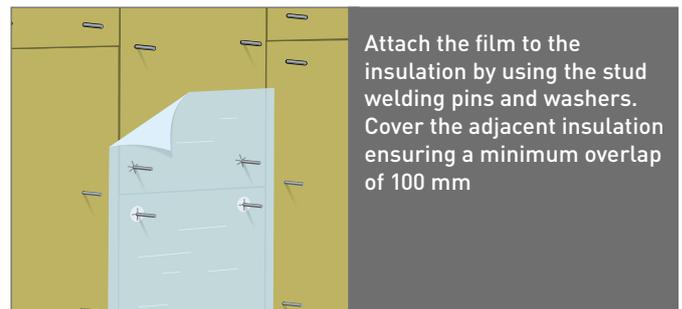
The SeaRox Acoustic Foil can be combined in any approved SeaRox fire protection solution or with any SeaRox thermal/ acoustic insulation.



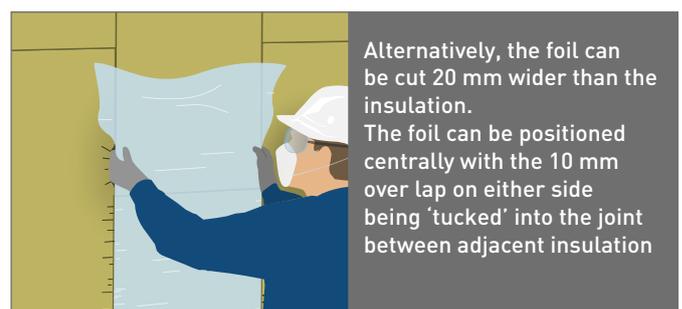
Mount ROCKWOOL SeaRox Insulation



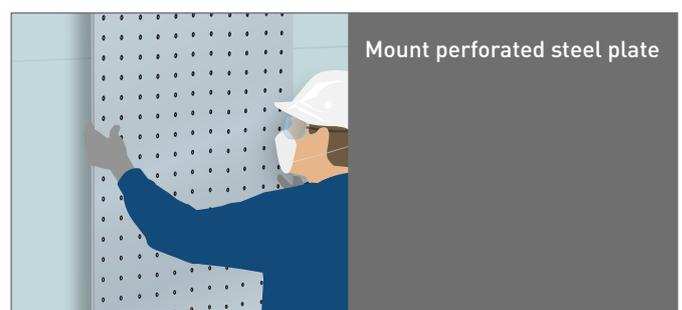
Cut film to the required length + overlap (min. 100 mm)



Attach the film to the insulation by using the stud welding pins and washers. Cover the adjacent insulation ensuring a minimum overlap of 100 mm



Alternatively, the foil can be cut 20 mm wider than the insulation. The foil can be positioned centrally with the 10 mm over lap on either side being 'tucked' into the joint between adjacent insulation



Mount perforated steel plate

Technical Data

SeaRox Acoustic Foil:

Thickness: 19 μ .
Roll Dimension: 1 m wide x 200 m long

Perforated steel plate:

Thickness: Min. 1 mm
Perforation: Open area Max. 40 %

ROCKWOOL Technical Insulation

ROCKWOOL Technical Insulation, an independent organisation of the international ROCKWOOL Group, is the world wide market leader in technical insulation. With our two product lines, ProRox and SeaRox, we cover the whole industrial market and marine & offshore industry, providing a full range of products and systems for the thermal and firesafe insulation of technical applications. Besides sustainable products we offer reliable expert advice, from documentation to delivery and after sales service. Throughout the whole chain from specifier, through dealer to contractor and installer we aim to add value. We don't just sell products, we supply solutions. It's this total approach that makes us the ideal choice for professionalism, innovation and trust.

All explanations correspond to our current range of knowledge and are therefore up-to-date. The examples of use outlined in this document serve only to provide a better description and do not take special circumstances of specific cases into account. ROCKWOOL Technical Insulation places great value upon continuous development of products, to the extent that we too continuously work to improve our products without prior notice. We therefore recommend that you use the most recent edition of our publications, as our wealth of experience and knowledge is always growing. Should you require related information for your specific application or have any technical queries, please contact our sales department or visit our website www.rockwool-rti.com

The ROCKWOOL Group

The ROCKWOOL Group is the world's leading supplier of innovative products and systems based on stone wool. We create sustainable solutions to protect life, assets, and the environment today and tomorrow.

Stone wool is a versatile material based on one of nature's most abundant resources. It forms the basis of the following ROCKWOOL Group businesses: building insulation; industrial & technical insulation for process industry, marine and offshore; acoustic ceiling systems; exterior cladding; horticultural substrate solutions; engineered fibers; noise and vibration control.

The ROCKWOOL Group was founded in 1909 and insulation production started in 1937. The Group's head office is located close to Copenhagen. In 2014, the Group generated net sales of EUR 2,180.4 million. The company is listed on the NASDAQ Copenhagen stock exchange.

The Group's operations have a large presence in Europe and we also have facilities in Russia, North America, India and East Asia. Our more than 11,000 employees in more than 35 countries cater for customers in a large part of the world.

For more information, please visit www.rockwool.com.

ROCKWOOL Technical Insulation

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