

Trelleborg Signature Management



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Trelleborg Signature Management

The Company

Trelleborg Signature Management has designed and manufactured acoustic materials for more than 20 years. We are currently the main supplier to the UK MOD and have supplied products to many other fleets throughout the world.

Acoustic Signature Control

The fitting of properly designed acoustic material to submarines and surface ships can achieve a significant reduction in radiated and self noise. This will decrease the range at which vessels can be detected and classified and frequently has the benefit of increasing the performance of their own sonar systems.

Anechoic Signature Control

In order to reduce the probability of detection by active sonar, it is possible to absorb or scatter the sonar energy, by the application of special coatings to the hull of the ship or submarine; the subsequent reduction in target echo strength can considerably reduce the range at which detection is achieved.

The Products

Trelleborg Signature Management make a range of products to improve the signature of underwater platforms by reducing radiated noise and target strength. These products include:

Tiles

Anechoic and decoupling tiles for ships and submarines
Transmission loss and decoupling materials

Sonar Materials

To replace GRP for sonar domes and windows

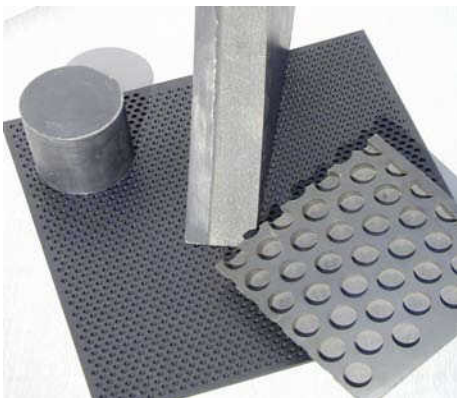
RhoC materials

Designed to match the impedance and speed of sound in sea water

Damping Materials

Encapsulation

Large and small scale encapsulation of arrays with controlled exotherm.



The Capability

Trelleborg Signature Management has extensive manufacturing and test equipment for a wide range of elastomeric products. We are committed to delivering high quality, state of the art, materials tailored to meet customers' specific requirements. In partnership with QinetiQ we can design the acoustic materials you need.



Contacts

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