



Basotect®

Comfort on the high seas: Basotect® provides a pleasant acoustic background on luxury yachts

Yacht owners expect quality, luxury and performance from their vessels – including pleasant acoustics on board. The Chinese yacht builder, Sunbird Yacht Co. Ltd., also recognized this, which is why they use Basotect® to absorb engine noise on its new 33-meter yacht series. The application involves installing the melamine resin foam primarily on the side walls of the engine room. This means that the sleeping cabins are effectively insulated from engine noise, ensuring that passengers can enjoy a pleasant and relaxing time on board at all times.

But Sunbird not only chooses Basotect® because of its excellent soundproofing qualities. Basotect® also contributes toward fire safety, because it is stable at temperatures up to 240 °C and complies with fire safety class B1 as specified in DIN 4102. This means the foam is ideal for use in the heat of the engine room, providing not only excellent acoustics, but also a greater levels of safety on board.

Because it is extremely light, Basotect® also has a positive effect on the energy efficiency of the series. “With a density of only 9 kg/m³, Basotect® is lighter than conventional soundproofing materials,” Ms. Dairong Hu, Vice General Manager of Sunbird, explains. This means that the melamine resin foam actively contributes toward minimizing the fuel consumption and CO₂ emissions of the Sunbird yachts. Using Basotect® in place of fiber based materials also helps prevent damage to the engine from fine dust particles, because the foam does not contain mineral fibers. Basotect® is also easy to process, meaning that even complicated components can be straightforwardly and precisely manufactured.

Basotect® can be combined with fleeces, fabrics and metal plastic foils and thermoformed into components with complex shapes.

Basotect® has already been used for many years in the transportation industry, including cars, rail vehicles and aircraft. In these applications, its excellent medium and low-frequency sound absorption characteristics provide unbeatable acoustic comfort for travelers.



Basotect® provides unmatched acoustic comfort on board a new luxury yacht. The yacht manufacturer Sunbird YACHT Co. Ltd., uses Basotect® melamine resin foam from BASF to reduce engine noise in its new 33-meter yacht series.