Soundac®

Offshore systems

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ACOUSTICS & NOISEREDUCTION
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Soundac®

Deck systems

ACOUSTICS & NOISEREDUCTION ANR

Acoustics & NoiseReduction

Expert in the field of noise control!

Acoustics & NoiseReduction contributes to a quiet living and working environment. We accomplish this by supplying our quality products in the B2B market, yacht- and shipbuilding, industry, machinery- and equipment, construction and renovation, automotive and coach building.

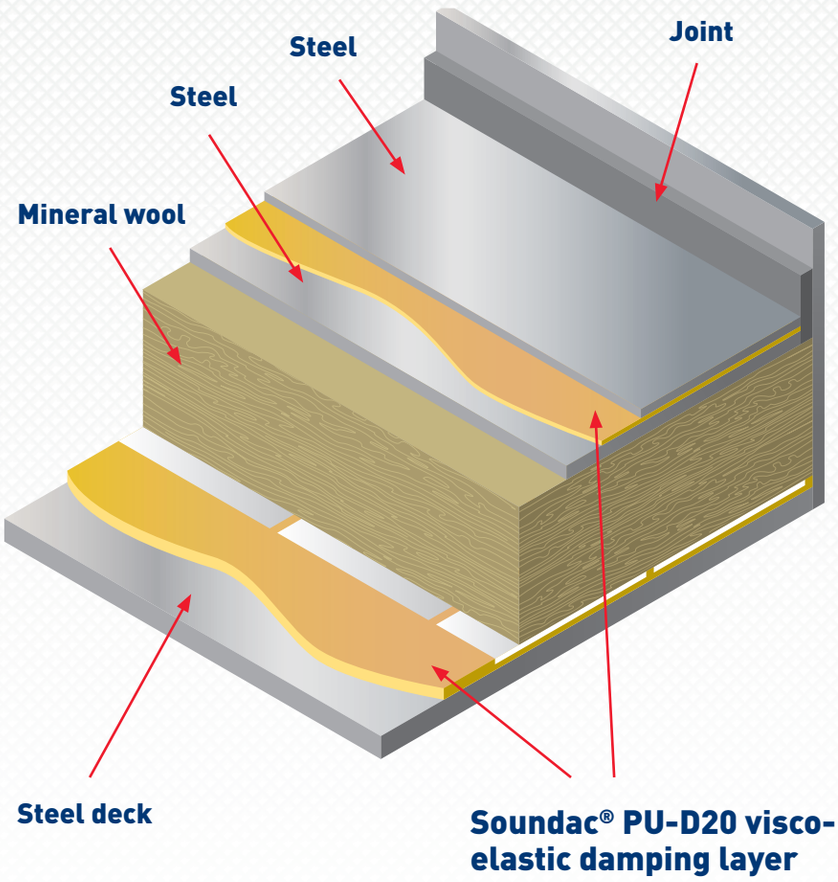
Our products have been carefully selected to offer solutions for many different types of noise pollution. We can offer an appropriate solution for almost any kind of noise problem by combining products from our wide product range.

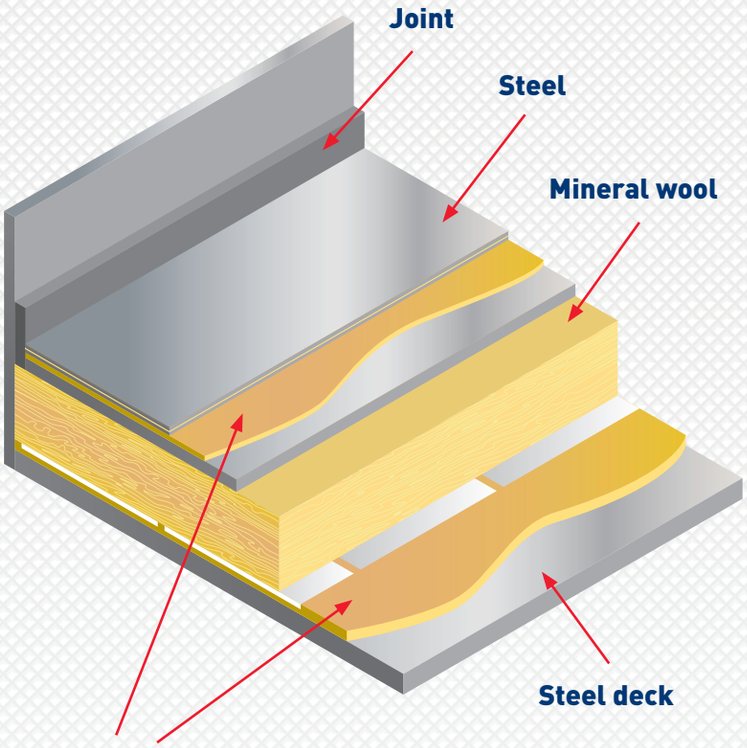
ANR provides a complete range of sound reducing and vibration damping A60 fire rated deck systems. Development of new products follow the demands and requirements of the market.

Soundac® Floating Floor

Soundac® Floating Floor is a deck covering system for the reduction of airborn, structure born and impact noise.

Soundac® Floating Floor consists of 1 mm Soundac® PU-D20, 1.5 electrical galvanised steel plates, at least 50 mm mineral wool 140-160 kg/m^3, 3 mm steel plate, 1 mm Soundac® PU-D20 and 2 mm steel plate which together becomes a floating floor with an excellent noise reduction.





Soundac® Light Weight Floating Floor

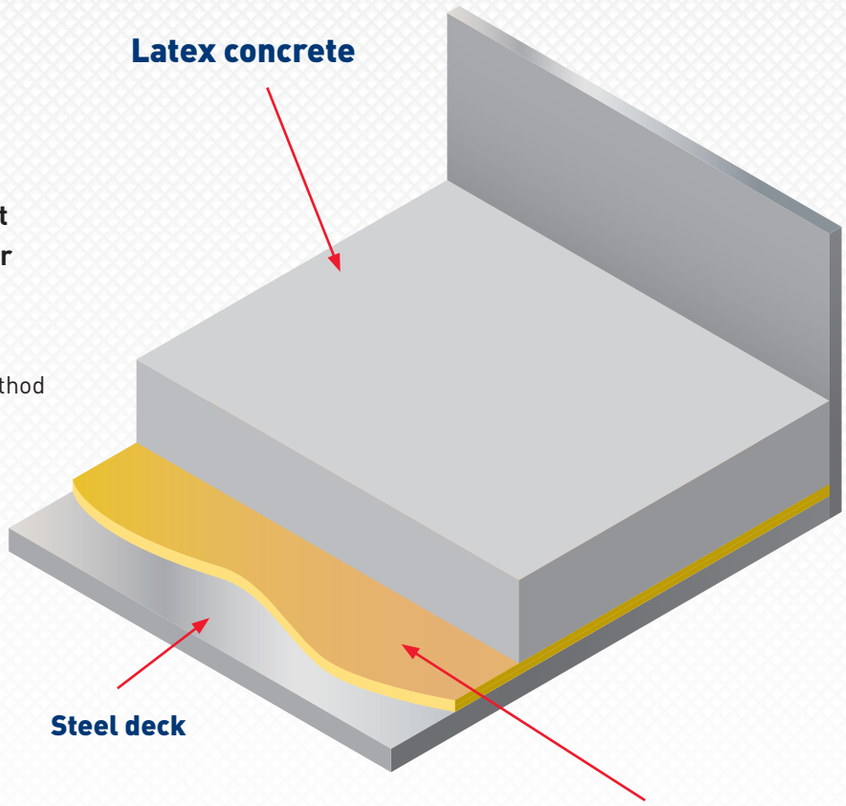
Soundac® Light Weight Floating Floor is a deck covering system for reduction of airborn, structure born and impact noise.

Soundac® Light Weight Floating Floor consists of 1 mm Soundac® PU-D20, 1.5 mm electrical galvanised steel plates, at least 30 mm mineral wool 90 kg/m^3, 3 mm steel plate, 1 mm Soundac® PU-D20 and 2 mm steel plate which together becomes a floating floor with an excellent noise reduction.

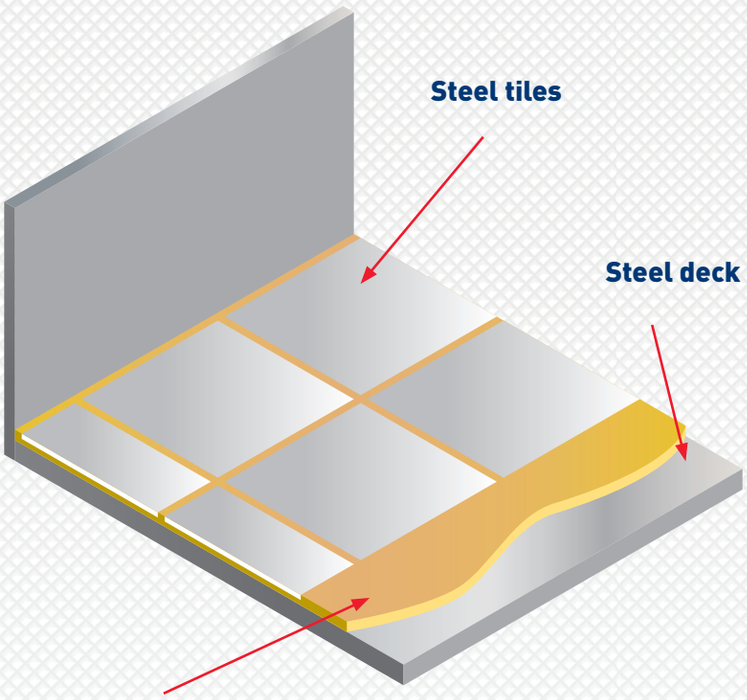
Soundac® PU-D20 Concrete System

Soundac® PU-D20 is a two component polyurethane compound, designed for use in constrained layer application.

Soundac® PU-D20 Concrete System is a method of noise control in ships, which prevents vibration of the steel structure. The energy is absorbed and therefore not able to be radiated as sound in the treated area or in other parts of the ship.



Thickness of construction: minimum 11 mm
Weight of construction: minimum 17.35 kg/m^2



Soundac® PU-D20 (horizontal)

Soundac® PU-D20 is a two-component polyurethane compound designed for use in constrained layer applications of steel and aluminium in horizontal objects and floors.

The Soundac® PU-D20 viscoelastic damping layer is a specially formulated polyurethane polymer designed to produce, together with the construction and a constraining layer, a final structure with very high loss factor over a wide temperature and frequency range. This drastically reduces noise generated by vibrations in the structure.

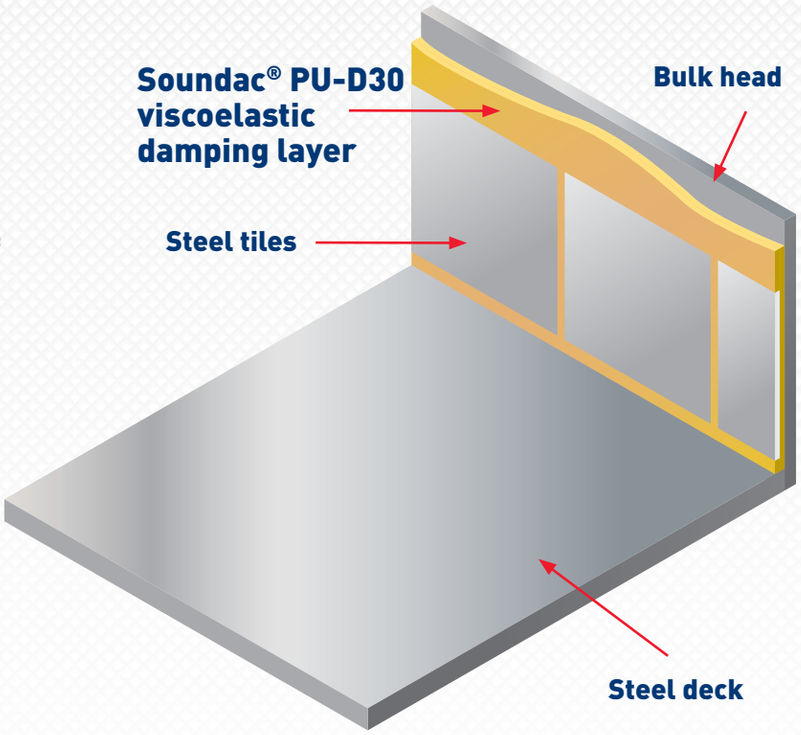
The thickness of the Soundac® PU-D20 should be 4:1:1 on steel (for example 6 mm steel deck, 1.5mm PU-D20 and 1.5 mm steel constraining layer).

Soundac® PU-D30 (non horizontal)

Soundac® PU-D30 is a two component polyurethane compound designed for use in constrained layer applications of steel and aluminium in non horizontal objects and walls.

The Soundac® PU-D30 viscoelastic damping layer is a specially formulated polyurethane polymer designed to produce, together with the construction and a constraining layer, a final structure with very high loss factor over a wide temperature and frequency range. This drastically reduces noise generated by vibrations in the structure.

This system allows the steel tiles constraining layer to be installed without any kind of mechanical fastening.



The thickness of the Soundac® PU-D30 should be 4:1:1 on steel (for example 6 mm steel deck, 1.5mm PU-D30 and 1.5 mm steel constraining layer).