



Soundac® LightWeight

Light Weight sound insulation sheets of cork, cork rubber and rubber

Soundac® LightWeight are light weight sheets that consist of a mixture of cork and rubber. The required weight determines the blend of the mixture. The sheets are commonly used as an optimal combination of low weight and sound insulation.

Soundac® LightWeight is very effective in reducing the coincidence dip that is found in most light and stiff panels as steel, aluminium, wood or plastic. The LightWeight panels are commonly applied in wooden wall of motor yachts.

Soundac® KG23 - cork

Soundac® KG23 is a light weight product based on a mixture of cork granulate.

Characteristics

- | | | |
|--------------------|-----------------------------|--------------|
| • Type material | Cork | |
| • Base colour | Light brown | |
| • Density | 200 - 250 kg/m ³ | ISO 845 |
| • Tensile strength | > 250 kPa | ISO 1798 |
| • Compressibility | 25 – 40 % | ASTM F36 – F |
| • Recovery | > 70% | ATSM F36 – F |

Soundac® KR22 – cork rubber

Soundac® KR22 is a light weight product based on a mixture of cork and rubber granulate.

Characteristics

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|----------------------|-----------------------------|----------|
| • Type material | Cork rubber | |
| • Base colour | Brown/black | |
| • Density | 500 - 600 kg/m ³ | ISO 845 |
| • Tensile strength | > 400 kPa | ISO 1798 |
| • Elongation | > 15% | ISO 1798 |
| • Thermal resistance | 0.078 m ² K/W | ISO 8302 |

Properties

- Sound insulating
- Light weight
- Very flexible
- Cork, cork rubber and rubber available from stock



Soundac® KG23 - cork



Soundac® KR22 – cork rubber



Soundac® R34 - rubber

Soundac® R34 is a light weight product based on a mixture of rubber granulate.

Characteristics

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|--------------------|---------------------------------|----------|
| • Type material | Rubber | |
| • Base colour | Black | |
| • Density | 1,000 kg/m ³
± 5% | ISO 845 |
| • Shore A | 55 - 65 | Shore A |
| • Tensile strength | > 1,500 kPa | ISO 1798 |
| • Elongation | > 60% | ISO 1798 |



Soundac® R34 - rubber

Converting

Soundac® LightWeight is easily cut to size with a knife, saw or scissors. Before application the subsoil needs to be dry and free of dust and grease. Preferably the sheets needs to be fully glued to the subsoil.

To avoid leakage of noise and for an optimal sound insulation it is important that the sheets are well connected to each other. Seams between sheets and connections should be sealed properly with an elastic sealant.

Customization

It is possible to produce specific types to your requirements. It is also possible to convert Soundac® LightWeight in our own production facility in any desirable dimension. We have several possibilities of which we happily inform you.