

SOUNDSORBA®

ACOUSTIC PRODUCTS

PLANTSORBA®



Industrial acoustic panels

PLANTSORBA® Industrial acoustic panels are designed to provide noise reduction inside plant rooms and industrial areas. Their simple installation lends them ideal for cost effective acoustic treatment in such applications.



PLANTSORBA® Industrial acoustic panels

DESCRIPTION

PLANTSORBA® acoustic panels comprise of ROCKSORBA® slabs which are faced and wrapped around the four edges with off white coloured fire rated acoustic glass fibre fabric.

The ROCKSORBA® slabs are made from rock which is melted at around 1,600°C and spun into fibres to resemble the texture of wool. Binders and water repellents are impregnated onto the fibres during the production process and then compressed to form ROCKSORBA® slabs.

ROCKSORBA® slabs are made from volcanic rock and achieves a European Reaction to Fire Classification of A1 - non-combustible. ROCKSORBA® insulation slabs are also a durable choice; its properties and benefits don't reduce or change over time and the product will effectively perform for the lifetime of the building.

APPLICATION

PLANTSORBA® acoustic panels are used to line internal walls and ceilings of plant and machinery rooms to reduce reverberant noise levels. Typical uses for PLANTSORBA® acoustic panels are as acoustic linings to factories, workshops, plants rooms, etc.

PLANTSORBA® acoustic panels show extremely high noise absorption properties across the whole frequency spectrum which makes them ideally suited for reducing machinery noise. They are relatively lightweight as well as being simple and easy to install.

STANDARD PANEL SIZES

Nominal panel size: 1200 x 600mm

Nominal Thicknesses: 25mm, 50mm, 75mm and 100mm

Other sizes (e.g 1200 x 1200mm) and other thickness (e.g. 40mm) may be available on request.

NOMINAL WEIGHT

Nominal Thickness	Nominal Weight
25mm	3.0 kg/m ²
50mm	5.5 kg/m ²
75mm	8.5 kg/m ²
100mm	10.5 kg/m ²

FIRE RATING

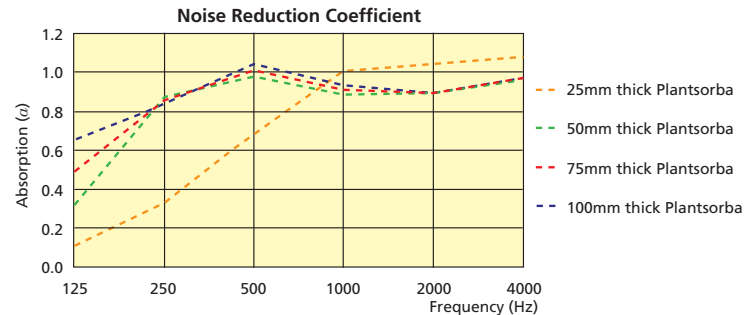
The ROCKSORBA® boards and the acoustic glassfibre fabric are fire rated as non combustible to BS 476 Part 6 (Class 0) and also meet BS476 Part 7 (Class 1) for surface spread of flame.

MOISTURE RESISTANCE

ROCKSORBA® insulation slabs are moisture resistant yet vapour permeable. ROCKSORBA® insulation does not wick water, which means that any bulk water that contacts the outer surface will drain and not be absorbed into the body of the insulation slab.

ACOUSTIC PERFORMANCE

Typical Acoustic performance to BS EN ISO 354:2003.



Direct fixed to backing. Even higher sound absorption can be achieved when installed with an air gap.

INSTALLATION GUIDE

The installation time is fast as the PLANTSORBA® acoustic panel are simply fixed using Soundsorba umbrella head fixings. PVC umbrella head fixings can be used as well as metal umbrella head fixings depending on the application.



A hole is drilled through the PLANTSORBA® acoustic panel into the substrate, making sure that the Soundsorba umbrella head fixing with go into the substrate by at least 40mm.



Push the Umbrella head fixing through the PLANTSORBA® panel and into the substrate. Ensure that the fixing head holds the PLANTSORBA® panel firmly against the substrate and then hammer in the fixing pin to securely fix the panel.



Normally five fixings are used on each panel. Contact Soundsorba for further details on installation methods.

Prices and Conditions of Sale

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