

# CoustiFloor Rail

## Description



CoustiFloor Rail is a high quality, moisture resistant, structural acoustic flooring board manufactured from Birch faced combi-plywood impregnated to provide long-term protection against fungal and insect attack. It meets the stringent fire, low smoke and low toxicity requirements of the rail and automotive industry. It has a smooth, durable surface finish, B/BB and WBP suitable for overlaying with carpet or vinyl. Other grades of face veneer are available.

It is designed to improve passenger comfort by reducing noise levels in public transport. Acoustic performance levels can be enhanced by the addition of cork, polymeric barriers, steel, aluminium or a combination of the above to form a composite board.

CoustiFloor Rail is available in flat sheets or cut to size and shape. Edges can be profiled or rebated and then treated with Copon Hycote EA9 Intumescent fire protection if required.

## Application

CoustiFloor Rail is used in railway carriages, buses, coaches and marine applications.

## Operating Temperature and Humidity

CoustiFloor Rail can be treated for use at temperatures between -17°C and +35°C and to withstand 100% humidity at temperatures up to 19°C.

## Thermal Conductivity

0.188 W/mK at 47% relative humidity  
0.145 W/mK at 93% relative humidity

## Fire Performance

CoustiFloor Rail is dimensionally stable under heat and has a low rate of combustion. The ignition temperature is 270°C and spontaneous combustion can occur at temperatures over 400°C.

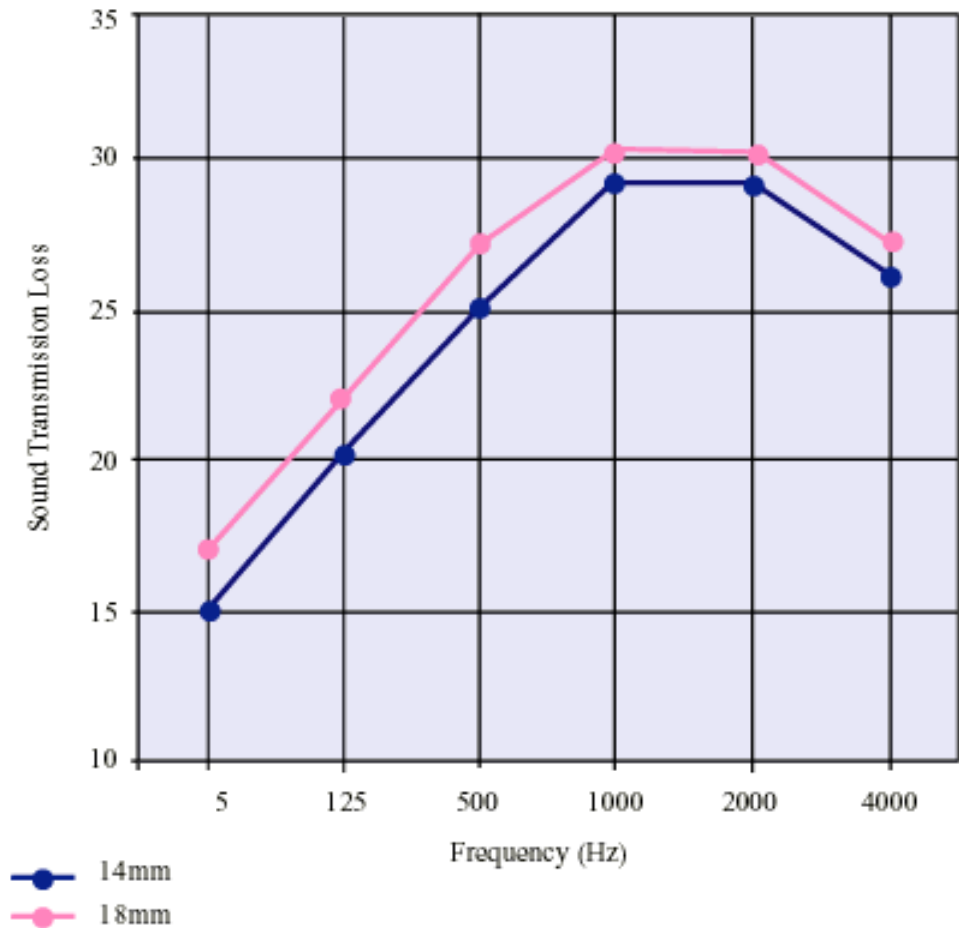
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## Acoustic Performance



Note: Acoustic Performance data for other thicknesses of CoustiFloor Rail can be made available on request.

## Dimensions

Thickness mm	Standard Board Size mm
14	2.50 x 1.25
18	2.50 x 1.25

Note: Other thicknesses and sizes of CoustiFloor Rail may be available on request.

## Storage

Panels should be stored horizontally under cover and in conditions of moisture and temperature similar to those in which they are to be used. Increased moisture content and temperature variation may cause internal stresses, thickness swelling or surface defects. Stack panels on a firm raised base, with enough bearers to prevent sagging. Cover the stack to protect the top and edges from moisture penetration.

## For Further Information

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