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|-------------|-----------------------------------|
| category | soundproofing |
| description | cement impregnated particle board |
| part code | A400 |



**Custom
Audio
Designs**



Made from recycled wood pulp

A400 CEMENT IMPREGNATED PARTICLE BOARD ACOUSTIC FLOORING is constructed from two well established building materials – wood and cement. Both faces have a hard smooth flat surface.

Cement impregnated particle board is a very dense product. It is light grey in colour and tongued and grooved to provide an excellent fit.

The soundproofing qualities of this material are far superior to those of standard timber and plasterboards. The A400 also has a Class 0 fire rating.

Advantages

- Class 0 fire rated
- Resistant to humidity
- Dimensionally stable
- Extremely high acoustic values
- Resistant to vermin
- Resistant to impact
- Rw 35dB
- Waterproof

Applications

Examples of uses for this material include:

- separating floors in new buildings and conversions
- a high performance wall boarding replacement for ordinary plasterboard
- enclosure construction material
- cinema and recording studio construction.

Installation

Contact our technical department for full system information.

Acoustic Performance

R_w (C;C_{tr}) 35 (-2;-3) dB (BS EN ISO 717-1).



Technical Specification

| Product | A400 Cement impregnated particle board |
|----------------------|---|
| Description | Tongued and grooved cement impregnated particle board (chipboard) |
| Nominal sheet size | 1250mm x 625mm x 18mm |
| Area | 0.72m ² |
| Weight | 25kg/m ² |
| Density | Approx. 1250kg/m ³ |
| Flammability | Class 0, non-flammable BS476 |
| Thermal conductivity | 0.23 W.mK |
| Nominal thickness | 18mm |

Technical Information

These wood and cement panels:

- are not poisonous
- do not contain dangerous volatile compounds
- do not contain silica, asbestos or formaldehyde
- present no dangers for public health or for the atmosphere
- are incombustible
- do not disaggregate under the action of the water, thus maintaining dimensional stability
- can be planed, sanded, drilled, routed, nailed and screwed.