

DURABELLA Flooring Solutions

Specialists in Acoustic, Access and Leisure Flooring Systems

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Data Sheet

DESIGNADECK ISOLATING SUB STRUCTURE FOR ROOF DECKS

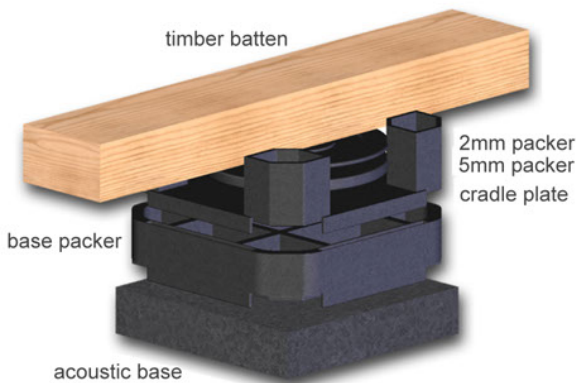
Airborne and impact noise transmission is a growing concern in the residential market place; recent reports have indicated an increase in domestic noise complaints with high numbers of acoustic test failures.

The Durabella low impact external cradle support system has been designed to greatly reduce the transmission of sound through to inhabited environments below.



The unique low pressure resilient impact pad reduces the shock of, and footsteps, transmitting through to the substrate. In addition, its unique reduced pressure footprint prevents any damage to the waterproof membranes which may have been applied to the substrate.

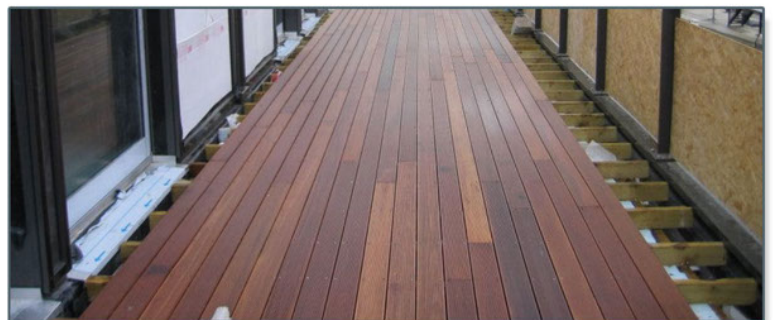
Effective acoustic control is a statutory requirement of the building regulations approved document E (1st July 2003). Durabella cradle and batten systems have undergone extensive independent testing for members of the pre-cast flooring federation (PFF), as part of the Robust Standard Detail programme, to determine the airborne and impact sound of various floor types and constructions. Durabella cradle and batten applications are an effective solution when dealing with acoustic control for new build and refurbishment projects.



The Durabella Cradle System is designed for applications where the substrate is laid to fall to facilitate rainwater removal, the cradle support system will allow the installation of a level deck.

Durabella Cradle and Batten systems have the ability to resist compression under load whilst providing a continuing level of sound installation.

The Durabella Cradle System is particularly effective in overcoming difficult site problems and can be laid with an overall depth between 55mm and 500mm.



hardwood decking on cradles to insulated balconies

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Range - Finished Deck Height 48mm to 450mm

When using 25mm+ deck boards, battens can be spaced at 600mm centres, cradle spacing remains the same. The minimum and maximum finished floor heights will be increased by 4mm.

Additional packing can be achieved by utilising the Durabella macro base

packers, which can elevate the above configurations by 20mm increments; fine micro packers, within the cradle, up to 15mm. All Durabella roof deck battens are treated hazard class 3 and 46mm wide, supplied in 1.800 metre lengths. The cradles, packers and battens can be completely bonded to the substrate using Durabella flexible adhesive if required. No mechanical fixings are necessary. adjustment is made with 2mm and 5mm



Deck Detail for Roof Decking with shock absorbing levelling cradle

This system can be anchored through the ledger beam or remain free standing

