

ISI Acoustic Backing

Frequently Asked Questions.

What is ISI backing?

ISI stands for Impact Sound Insulation, and is made from closed cell PVC foam. It is bonded to the existing Bolon product at time of production. The backing increases the Bolon tile thickness from 3 mm to 5 mm, and the roll thickness from 2.5 mm to 4.5 mm.

What does ISI backing do?

The primary purpose of this backing is to reduce sound transmission through a concrete slab. It has secondary benefits of increasing comfort underfoot, increasing thermal efficiency, and minimising height differentials between the Bolon material and other textile flooring finishes which may be incorporated into the flooring design.

How does ISI backing perform?

The ISI backing improves the impact sound resistance from about 11 decibels to 17 decibels – an improvement of approximately 50% in deadening footfall and other impact sound.

It also has a noise reduction coefficient (NRC) of approximately 0.05 for airborne sound, offering a sound reduction of approximately 5% within a space.

In what formats is ISI backing available?

ISI backing is available in Bolon roll and tile formats, with the restrictions as noted: in tile form it is packed at 3 m² to a box, weighing approximately 12.5 kg. In roll format, it is available up to 19 LM (38 m²) sizes, weighing approximately 4.1 kg/m².

Please note, ISI backing is not available with Bolon Studio™.

Is ISI backing available as standard product?

Bolon's ISI backing is offered as standard product in the Silence and Elements collections in tile form.

The ISI backing is available in other collections in tile and roll form, but as a custom product with certain limitations in quantities, etc.

For Bolon queries, please contact The Andrews Group.

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