

## PRODUCT

T65 Impact panel are manufactured using special developed closed cell polyethylene foam laminated to a smooth, durable compressed fibre cement board. Designed for impact noise isolation and reduction over concrete floors, providing a surface ready for tiling, parquetry, cork or timber floor coverings.



## Installation

### Step 1 Perimeter Edge Preparation

It is very important to isolate the edges of the panel from the wall face and any columns to prevent mechanical noise transmission into the building structure. Thermotec Joint fill “5mm x 50mm” should be applied against the wall to the full depth of the system. The architrave or a resilient sealant can be applied over the top of the strip to conceal the top edge once all flooring is laid.

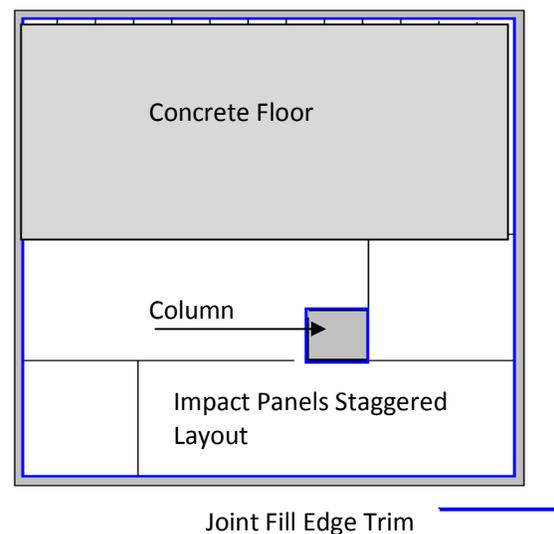
### Step 2 Floor Preparation

Concrete surfaces should be checked for flatness and any lumps. All concrete surfaces should be free of oil, dust and debris. The adhesive used to apply the panel should be moisture activated so they should be wet mopped prior to adhering the panels to assist in adhesive curing.

### Step 3 Panel Layout

A few minutes spent planning the layout will reduce cutting and waste. To simplify the layout, place a loose run of panels across the area, followed by a line of loose sheets down the area. Overlap panels to establish location of cuts.

Panels are to be laid closely in a staggered brick pattern, edges butt tightly together.



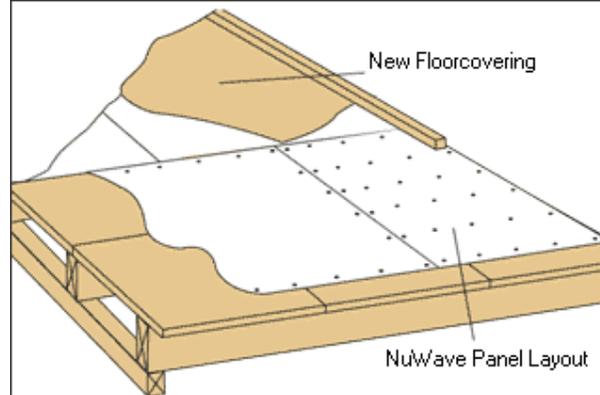
## Installation

### Step 4 Installing Panels

Wherever possible, cut edges should be placed to face the wall. Panels can be cut either by score and snap method or by a circular saw.

Once floor is prepared the application can begin. Start at the furthest corner from the exit and work backwards towards it. Spread enough adhesive to adhere one panel at a time using a 3mm notch parquet trowel. Ensure panels are butted closely together and top surface of panels are level. There is adequate slip time allowing approximately 40 minutes for placement correction.

Allow 24 hours for adhesive to cure making sure that no foot traffic or movement on panels prior.



## Acoustic Performance

Weighted Reduction in impact sound pressure level:  **$\Delta L_w$  24dB**

Spectrum adaptation term for impact sound reduction: **DCI -2dB**

Weighted normalized impact sound pressure level with test sample:  
 **$L_{n,r,w}$  54dB**

Spectrum adaption term for impact sound pressure level with test sample:  
 **$C_{l,r}$  -9dB**

*Test reports available on request.*

## Specification Table

|                       |  |
|-----------------------|--|
| Application           | Flat Areas / Living Areas / Commercial Floor Spaces            |
| Material Composition  | LDPE Closed Cell Base adhered Wet Area CFC Board               |
| Panel Thickness       | Nominal 10mm Thickness   |
| Dimensions            | Length 1200mm x Width 900mm x Thickness 10mm                   |
| Operating Temperature | -40 Deg C to 90 Deg C  |
| Chemical Resistance   | Resistant to most common acids and chemicals                   |
| Water Absorption      | < 2% after 28 days   |
| Odour                 | None   |
| Weight                | Approximately 8.6kg per panel                                  |
| Recommended Adhesive  | Bostik Ultraset Overlay "10 litre covers 16-18m <sup>2</sup> " |