**THE NEXT GENERATION MAGNESIUM OXIDE FLOORING BOARD**

**MAGLOK RESCOM** is an engineered “fit for purpose” fibre reinforced 18mm Magnesium Oxide flooring board.

- **Diaphragm bracing capacity**
- **Water resistant**
  Repels water and will breathe moisture out without losing any structural integrity
- **Mould and insect proof**
  Inert, inedible, non-toxic and hypoallergenic
- **No tile underlay required**
  Ready to finish
- **Cost effective**
  Less than fibre cement, similar to treated structural ply
- **Easy to lift, carry and install**
  Manageable 2250mm x 900mm sheet
  Screw gun, shiplap edge = no nogging
- **Fire proof**
  Non-combustible, zero flame and smoke spread, 120/120 rated
- **Greener**
  Very environmentally friendly to produce

**NOT particle board**
**NOT strand board**
**NOT fibre cement board**
**NOT plywood**

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FRAMING GUIDELINES
- ResCom® 18mm flooring can be fixed to steel or timber joists at 450mm centres
- Construction of timber framing must be in accordance with NZS 3604 – Timber-framed buildings.
- Construction of steel framing must be in accordance with NZ standards.
- ShipLap ResCom® Flooring may be joined mid span.
- It is always advised that the level of supporting framing be checked prior to installation for accuracy to remove unforeseen installation issues.

INSTALLATION
ResCom® flooring can be fitted to a square or staggered layout, but must be staggered for tiled or vinyl finishes.
Where waterproofing is required, ensure butt joints have a 2mm gap between them, and are filled with a suitable sealant prior to application of waterproof membrane.

FIXINGS
When fixing Maglok sheets to joists, and bottom plate frames through Maglok to joist, always use minimum Class 3 non corrosive screws and bracing brackets, or Stainless steel screws and bracing brackets.
Ensure framing is level and clean before fixing
Shiplap join requires no nogging
Collated screw gun can be used

Ensure all fixings are located:
- 12mm minimum from edges and all butt joints
- 50mm minimum from all corners
- 200mm centres along joists

Fixing into timber: Use No.10 x 40mm self embedding countersunk head screws
Fixing into steel: Use No.10 x 30mm self-drilling, self-embedding countersunk screws. Approved structural adhesives and fire acoustic base adhesives must be used in conjunction with Class 3 non corrosive or Stainless screws. Full beads of adhesive to the face of the joist on beams prior to laying the boards.

Warning: Copper piping is not recommended for use with Maglok ResCom flooring. Without suitable protection preventing contact between the copper and flooring board, there is a risk of long-term corrosion to the copper.

FINISHINGS
Refer to the website (www.maglok.nz) for recommended adhesives for floor coverings (tiles, timber and vinyl).

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Joist Centres</th>
<th>Pressure Result</th>
<th>Point Load Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>18mm</td>
<td>400mm</td>
<td>0.058mm, SF&gt;12</td>
<td>0.76mm, SF&gt;3</td>
</tr>
<tr>
<td>18mm</td>
<td>450mm</td>
<td>0.084mm, SF&gt;12</td>
<td>0.84mm, SF&gt;3</td>
</tr>
</tbody>
</table>

*NOTE: At all times it is advised by Magnesium Oxide Board Corporation Pty Ltd that the elements of flooring design and construction must comply with the requirements of the Building Code of New Zealand and or any other applicable local authorities building and construction regulations and standards. The design engineers and certifiers are responsible to ensure that the details in this document are appropriate for the intended application.