

Eternit MODUBUILD Systems

Eternit SYSTEMFLOOR™ Installation Instruction

Adhesives

The fixing method will determine where the adhesive is to be applied (see information below). Suitable adhesives for use are as follows:

- OSI® SF-450™ VOC Heavy Duty Construction & Sub Floor Adhesive
- Bostik Ultraset SF
- Liquid Nails Construction Adhesive

Waterproof Membranes

Eternit SYSTEMFLOOR™ has been tested with Crommelin Wetite and Polyfab for wet areas and external use and complies to Australian Standard™ 3740:2004.

Installation

The Eternit SYSTEMFLOOR™ sheets are laid perpendicular to the timber or steel joists. The long edge of the boards (lap joint) floats across the joists and all short edges of the boards need to start and finish on a joist. The boards are laid in a staggered pattern (brick pattern) so that the lateral joint is always staggered from adjacent boards (see figure A from the Eternit SYSTEMFLOOR™ Brochure). Either side of the board is able to be used as the top face.

Screw Fix Timber Joists

Screws shall be 45mm stainless steel or Buildex® Treated Timber Needle Tip Screws - Climacoat 3® coating or Zenith® Treated Pine Needle Tip Screws - TUFCOTE® coating or similar screw (depending on environment). Screws are to be fixed in to the joists at nominal 180mm centres. It is important that these screws are slightly below the surface to ensure any floor covering above is not affected. When screw fixing to timber joists adhesive is not required to the substrate but is required to the lap joint.

Screw Fix Steel joists

Screws shall be 45mm stainless steel or self tapping wing tipped or drill tipped 'Buildex® Treated Screws - Climacoat 3® coating' or 'Zenith® Screws - TUFCOTE® coating' or similar (depending on environment). Screws are to be fixed in to the joists at 180mm centres. It is important that these screws are driven slightly below the surface to ensure any floor covering above is not affected. When screw fixing to steel joists adhesive is not required to the substrate but is required to the lap joint.

Screw Fixing Of The Lap Joint

Screws shall be 25mm stainless steel screws or coated as above. Screws are to be fixed at nominal 180mm centres in to the lap joint. It is important that the screw heads are slightly below the surface to ensure any floor covering above are not affected. Adhesive is required to the lap joint at all times.

Nail Fix

Corrosion resistant D head framing nails for pneumatic tools or 2.8 x 50mm corrosion resistant fibre cement nails. Nails are to be fixed into the joists at nominal 180mm centres. The lap joint needs to be screw fixed at nominal 180mm centres using 25mm screws as previously specified. When nailing, position nails not less than 12mm from edge of the board. Adhesive is to be applied to the lap joint as well as the substrate immediately prior to laying the boards.

Control And Movement Joints

Movement stress from dimensional changes due to varying temperature or moisture conditions can cause cracking and other symptoms of stress. Control joints are required where existing movement joints are located in the substrate or if a floor is longer than 5.4m. Please note that control joints must not be covered by any rigid floor covering such as tiles. The control joint between the boards must be greater than 5mm and less than 10mm. Place a 16mm diameter backing rod into the joint and compress firmly until it is resting on the timber or steel joist. Apply a flexible sealant to the remainder of the joint. Please note the sealant depth needs to be greater than 5mm.

Tiling

When tiling to Eternit SYSTEMFLOOR™ you can either tile directly to the sheets using a flexible ceramic tile adhesive or the tiles can be laid over Eternit SYSTEMFLOOR™ after a screed has been applied. Install ceramic tiles to the manufacturer's recommendations and to Australian Standard™ 3958, Part 1: 2007. If Eternit SYSTEMFLOOR™ is installed in wet areas then a suitable and approved waterproof membrane needs to be applied prior to tiling. Please refer to Crommelins installation instructions before application. If control joints are required then this is the suggested starting point for tiling. Do not tile over control joints whether direct fixing tiles to Eternit SYSTEMFLOOR™ or over a screed.

Vinyl

When laying Vinyl, Please ensure all butt joints are smooth and level before applying the adhesive. Recommended adhesives include Dunlop Vinyl Adhesive or Fullers Perfect Putdown floor adhesive. Please refer to manufacturer's installation instructions before applying the adhesive. If Vinyl is being used in wet areas then a waterproof membrane needs to be applied. Please refer to Crommelins installation instructions before application.

External use of Eternit SYSTEMFLOOR™

If Eternit SYSTEMFLOOR™ is to be used in external applications it is recommended that a suitable waterproof membrane is applied. Please refer to Crommelins installation instructions before application.



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