

## Method statement for Cem-Rock<sup>®</sup> eXtreme FLOOR application

### 1. General notes:

- a. Cem-Rock eXtreme FLOOR is designed to be installed by a competent general builder or contractor.
- b. All boards should be stored undercover horizontally in a ventilated, dry environment on a firm, flat, raised surface away from the working area or mechanical plant. They should be covered and protected on-site from the weather before installation. Boards should be installed in dry conditions at an ambient temperature of 5°C or above and not stored on the board's edge.
- c. Once installed, boards can be left exposed for up to 3 months. If the board is left exposed for longer periods, a liquid waterproof sealer should be applied — please refer to our installation and handling guide.
- d. Cem-Rock<sup>®</sup> eXtreme FLOOR boards can be cut and fixed using conventional woodworking tools, though using handsaws with hardened teeth is recommended. The board may be cut using a circular saw with a tungsten carbide-tipped blade or a jigsaw. All cutting should take place in well-ventilated spaces using dust extraction facilities. Suitable disc control measures, e.g., protective safety glasses and respiratory masks, must be taken, and all necessary health and safety regulations must be observed.
- e. Ensure the floor structure is secured and structurally sound before installing boards. In the case of timber joists, only certified timber should be used. Joists should be installed at maximum 600mm centres and must be a minimum of 45mm thick, aligned and levelled. Please refer to the span table for adequate loading requirements.
- f. Damp-proof membranes and vapour control layers should be incorporated as necessary in ground-floor applications and in accordance with the requirements of BS 8108-3:2013 and BS 5250:2021.
- g. Ventilation underneath ground floors must be provided in accordance with BS 5250:2021. The ground beneath the floor should be free of topsoil and vegetation and be covered to resist moisture and prevent plant growth.
- h. Cem-Rock<sup>®</sup> eXtreme FLOOR boards should be installed perpendicular to floor framing members, over timber or metal framing, ensuring that all short edges of the flooring are fully supported on joists or perimeter framing (e.g., noggins). A minimum 10mm overall gap between the floor perimeter and wall projections must be provided.
- i. Greenspan approved screws or nails can be used over wood installations, and only screws should be used for over metal installation. All fixings are to be stainless steel or corrosion-resistant, coated, and fitted in compliance with local building regulations. Please refer to the fixing installation manual or Greenspan Technical for further advice.

### 2. Installation procedure

- a. Place the first board over the joists.
- b. Install the consecutive board so the T&G notch in the board's edge overlaps the previous board tongue in full.
- c. Install screws or nails to secure the board to the joists. The fixings should be positioned 10-15mm from the board's edge, a maximum of 200mm at the panel's edge, and a minimum of 50mm from the board corners. Allow 300mm at intermediate locations or as advised by a structural engineer. For timber joists, fixings to penetrate the supporting timber minimum 30mm but not less than specified by the engineer.
- d. Apply Greenspan-approved adhesive into the groove of all T&G joints.
- e. Install the consecutive board so the T&G notch in the board's edge overlaps the previous board's tongue in full. Screw or nail fix the board as per point 6) requirements. Continue the boards' installation until the entire area is covered.
- f. All butt joints should be situated over the supporting joists. Adhesive to be applied to the edge surface of the board before placing consecutive boards.
- g. If the Cem-Rock<sup>®</sup> eXtreme FLOOR boards are wetted during application or transportation, they must be allowed to dry out before applying any surface coatings or the full design load.
- h. After installing the boards, they should be left for approximately 24 to 48 hours to equalise with the ambient atmosphere's moisture content. Once equilibrium moisture content is achieved, the surface of the joints should be cleaned.

- i. When used in high-risk areas such as wet rooms, the board must be protected from wetting with the provision of continuous waterproofing, sealed at wall junctions and where services protrude through the floor.
- j. For applications where a wet screed is to be installed, we recommend installing a liquid-applied sealer before the application. Please refer to the Greenspan Technical Team.
- k. Apply a floor finish of your choice over the boards. For advice on suitable preparation and systems, consult with the floor or surface coating manufacturer.

Cem-Rock® eXtreme FLOOR boards have been tested alongside several floor coating providers. For further advice, please contact our technical team.

Please refer to the product datasheet for information on further storage and handling requirements.

### **General Guidelines**

- **Spacing of Expansion Joints:**  
Expansion joints are typically placed at 6 to 9 meters intervals. This spacing can vary; please consult with the project structural engineer.
- **Around Perimeter and Openings:**  
Expansion joints should be provided around the perimeter of the floor where it meets walls, columns, or other structural elements. Joints should also be placed around large openings, such as stairwells.
- **Environmental Factors:**  
In areas with significant temperature variations, closer spacing of expansion joints may be necessary to accommodate more significant thermal movement.
- **Building Layout and Geometry:**  
Additional expansion joints might be required for complex floor layouts, including changes in direction or areas with different structural constraints.
- **Industry Standards:**  
Adhere to relevant building codes and industry standards, which might provide additional guidance on the placement of expansion joints for specific construction types and materials.

**The project design professional is responsible for the architecture, engineering, and design using the Cem- Rock® eXtreme FLOOR boards. All products and systems must comply with National Building Regulations and Standards. The user should always consult the technical data sheet and certification before making any decisions based on the information contained in this method statement. The client must satisfy themselves that the product is suitable for their needs and design intent.**

**Important Note: As of 24th August 2023, mandatory training is required on the safe use of Diisocyanates before industrial or professional use. The PU Training Platform can be accessed here:**  
<http://www.safeusediisocyanates.eu/>

**This method statement may be subject to change. Please consult with the Greenspan Technical Department to ensure you have the latest revision.**

For further information, contact the Greenspan Technical Department.

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