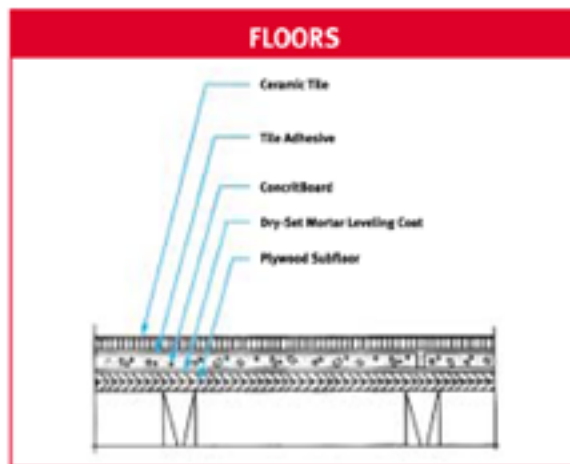


FLOORS



A. Subfloors

The conventional plywood or nominal board subfloor does not have the necessary rigidity for the proper installation and long-term performance of floor tile. The ConcritBoard floor system consists of: sub-flooring, a levelling bed of dry-set mortar, the ConcritBoard panel and fasteners, another layer of dry-set or latex-portland cement mortar as the bond coat and the tile. This system provides a strong, firm, solid floor, free of any significant flexing under normal load and traffic conditions and therefore, free of the shear forces that can break or loosen tile or grout. ConcritBoard carries a residential and light commercial performance rating.

The subfloor must be minimum 15mm-thick exterior grade plywood nailed or screwed firmly to joists spaced a maximum 406mm center spacing. Apply a levelling bed of dry-set mortar over subfloor with 6 x 6mm square notched trowel. The ConcritBoard panel must then be nailed with conventional galvanized roofing nails or screwed every 150 to 200mm, both length and width over the entire area, allowing 3mm-wide space between panels to be filled solid with dry-set or latex-portland cement mortar. For best results, joints should be taped and panels should be screwed to subfloor. Abutting joints of subfloor and underlayment should be staggered.

B. New Floors

1. Score and snap ConcritBoard panel to desired dimension as described under "Scoring and Snapping".
2. The floor assembly must be designed so that the deflection in a plane will not exceed 1/360 of the span, including live and dead loads.
3. Bond ceramic tile to ConcritBoard panel as described under "Bonding Ceramic Tile."

Newly installed tiled floors must be protected from traffic for 72 hours, to allow the mortar to gain its initial bond and strength. If the floor must be walked on in less than 72 hours, it should be protected with 12mm or thicker plywood or gypsum board.

C. Existing Floors

In remodelling or repair work, ConcritBoard is ideal for the installation of tiles over an existing floor. If any portion of an existing floor is loose or unsound, it must first be nailed or screwed down securely or replaced. When covering a regular vinyl covered floor with ConcritBoard and tile, it is not necessary to remove the vinyl. Just lay the ConcritBoard panel in place and nail or screw it down firmly as described above.

D. Joints

The joints between ConcritBoard panels should not be directly over a joint between plywood subflooring. Joint spacing between ConcritBoard panels should be approximately 3 to 5mm and filled solid with the same dry-set or latex-portland cement mortar.

NOTE: joints between panels on a floor do not require taping. For a stronger joint, taping is recommended.

E. Limitations

- Waterproofing membrane shall be provided where waterproofed floor is required. Follow manufacturer's installation recommendation.
- Cannot be installed over cushion vinyl. This type of flooring must be removed before installation of ConcritBoard.

F. Requirements

- Deflection shall not exceed 1/360 of the span, including live and dead loads.
- Maximum spacing of floor joists is 457mm center spacings. 3mm-wide spacing between units is to be filled solid with dry-set or latex-portland cement mortar.
- All subflooring joints between unit ends to be aligned over floor joists.
- Level units to subfloor with dry-set mortar.
- ConcritBoard to be fastened to subfloor with galvanized nails or screws.
- Surface units to be clean and free of dirt, dust or oily film.
- Subfloor must be minimum 15mm-thick exterior grade plywood nailed or screwed firmly to joists.



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