Westbuild
INNOVATIVE BUILDING PRODUCTS

Tiling Specification — Tiling Over New (Green) Concrete

Scope

Where tight project schedules or installed concrete dictates, tiling must sometimes be installed on uncured or "green" concrete. Additionally, where areas have been screeded and tiles are to be installed as soon as possible, the correct adhesive should be used to ensure maximum bond and accommodate any expected movement as drying occurs; otherwise, tile adhesive can de-bond and tiles become drummy. To avoid this problem, use Westbuild Flexbond High performance tile adhesive for:

- Direct tiling over new concrete
- Direct tiling over freshly installed screed

Product

Westbuild Flexbond High performance tile adhesive is a white, C2S1TE high performance cement-based tile adhesive. It has a high polymer loading and is suitable for most types of tiles over a large range of substrates, including existing vinyl. Suitable where heavy pedestrian traffic is likely, it is designed to absorb movement associated with early age concrete, vibrations and concrete shrinkage.

Preparation

Concrete Floors: new concrete should be at least 7 days old and, if smooth, the surface should be roughened to obtain a good bonding key. Ensure release agents are removed from new concrete surfaces, especially on tilt up slabs. Old concrete surfaces must be cleaned thoroughly prior to tiling ensuring removal of all contaminants including oils, greases, curing compounds, bond-breakers, etc.

Cement Render: render should be sound and float-finished to provide a good bonding key. Render should be reasonably thick and at least 24 hours old.

Application

Ensure the back of the tile is free from dust. Use a 10 x 10 x 10mm notched trowel for floors and an 8 x 8 x 8mm notched trowel for walls (a 10 x 10 x 10mm trowel is recommended for larger wall tiles). Do not spread more than 1 metre of adhesive at a time to ensure the adhesive does not skin prior to bedding the tiles. Press and slide the tile at right angles ensuring the tiles are well bedded and that there are no voids under the tiles. Make sure the newly tiled surface is not disturbed for a minimum of 8 hours.

Flexbond – Mechanical and Physical Properties

Adhesive Type	Classification AS4992	**C2S1TE**
Appearance	Form and Colour	PURE WHITE Powder
	Density	1500kgs/m^3
Properties	Water Ratio	20kgs to 4.8/5 Litres of clean fresh water
	Coverage (smooth flat concrete floor)	6.5m^2 per bag (10mm notched trowel) 8.0m^2 per bag (6mm notched trowel)
	Adjustability Time	30 mins
	Pot Life	2 hours
	Set Time	30 mins

Technical Specification

The above information is a general specification only and does not make provision for specific site and project requirements. Please consult with the Technical Data Sheet or directly with Westbuild for a unique and tailored specification for your project.