MONOTEK®

(Solvent free, rapid hardening, methyl methacrylate resin based flooring & coving systems)

Generic Guideline Specification

Commercial flooring application (Concrete or ceramic tile substrate)

(MONOTEK® 3 - 4mm self-levelling flooring with or without anti-slip)

*Note: It is important to note that as **MONOTEK®** is applied manually, on site, some small imperfections such as trowel and roller marks, irregular sand granules, etc… will be visible after the application of the **MONOTEK®** flooring or coving system, which is unavoidable with an manually applied on-site coating system. Also **MONOTEK®** will not improve falls to drains, pooling or ponding and will generally follow existing contours of the substrate. The floor should drain properly PRIOR to the installation of the **MONOTEK®** flooring, as we grind around the edges of the drains and doorways / concrete substrates should not be set down for the applied flooring – drains should be installed flush with the flooring surface. It is important to note that any cement based renders used must reach at least 28 - 32mpa in strength in one week. **MONOTEK®** flooring is totally impervious to water, however it is not intended to be used as a flexible, waterproof membrane and cannot be installed over flexible waterproof membranes – waterproofing admixtures such as Xypex® can be used to provide secondary waterproofing of renders.*

Preparation :

1. Etch concrete and / or tiles then rinse entire floor using a non-caustic alkaline detergent (eg.Corroclean® or similar) incorporating high pressure water (where practical). Rinse again well with fresh water. Allow to dry thoroughly. If drainage is not available or existing coatings / sealers exist, diamond grinding with vacuum is also suitable. Grind down around all leading edges, drains, doorways, etc... to provide additional mechanical "key".

Application :

1. Apply a primer coat of **MONOTEK® B71** (fast curing, bonding primer) at 3m^2/lt approx. (with "**MONOTEK®** tile adhesion additive" over ceramic tiles) to all horizontal & vertical surfaces to be treated.

2. Form coving to wall/floor junctions where required using **MONOTEK® 510/332** (Coving Grade) (25mm, 50mm or 75mm radius). *Coving can be formed to the underside of wall tiles or aluminium arrowheads set not greater than 75mm from the floor. Coving is normally a solid Aust. Standard 2700 colour.*

3. Repair damaged areas and screed over tiles to fill grout lines (if required) using **MONOTEK® 412**

4. Trowel apply **MONOTEK® 412/332** (self-levelling, MMA resin rich flooring) at approx. 3 - 4 mm DFT to entire floor area. *(For an anti-slip surface - broadcast coloured, graded silica granules into this coat while still wet / coarseness of anti-slip can be varied to suit the area of application and operations.)*

5. *For anti-slip floors only* - Apply topcoat of **MONOTEK® 527** (clear) at approx. 2m^2/lt (500 microns DFT) to seal-in anti-slip granules.

- *MONOTEK® anti-slip flooring systems exceed the standard for wet pedestrian & work areas (AS/NZS 4586 & AS/NZS 4663 (2013) with reference to HB198:2014).*
- *MONOTEK® flooring systems are fully cured in one (1) hour after application, ready for full traffic.*
- *MONOTEK® flooring is available in **MonoChip®** (multi-coloured flakes), all Aust. Standard 2700 colours & multi-coloured coloured silica/mineral blend finishes of varied granular size & mineral composition depending on application.*
- *MONOTEK® flooring systems are exclusively installed by D.P.J. Coating Systems Pty Ltd – Australia-wide. Phone: 1800 062 301   Fax: 03 9720 8540   Email: admin@dpj.com.au*
- *MONOTEK® flooring is conditionally guaranteed for five (5) years (preparation / application & materials)*