Tiling Specification

CONSTRUCTION CHEMICALS

Wet/Immersed

WI1 | Waterproofing Wet Area – Floors and Walls

Primer	Prime the surface with **Primebond** (internal)/ **Primax** (external).
Screed *(if required)*	Screed to falls using **Kemcrete** mixed with cement/sand mortar, finishing with a wood float.
Bond Breaking Tape	Apply 50mm reinforced plastic tape applied to wall/wall floor/hob junctions.
Waterproofing	Waterproof with **Liquid Flash 1** *(for new construction)* **Liquid Flash 2** or **Hydrathane** *(for renovations - fast cure)* applied in two coats to a minimum 1.5mm final dry film thickness.
Reomat	Reinforce corners with **Reomat**.
Adhesive	Adhere tiles using **Gripflex** applied with a minimum 6mm notched trowel.
Grout	Grout tiles with **Kemgrout Flexible**.
Movement Joint	Fill expansion joints with **Colour Seal**.
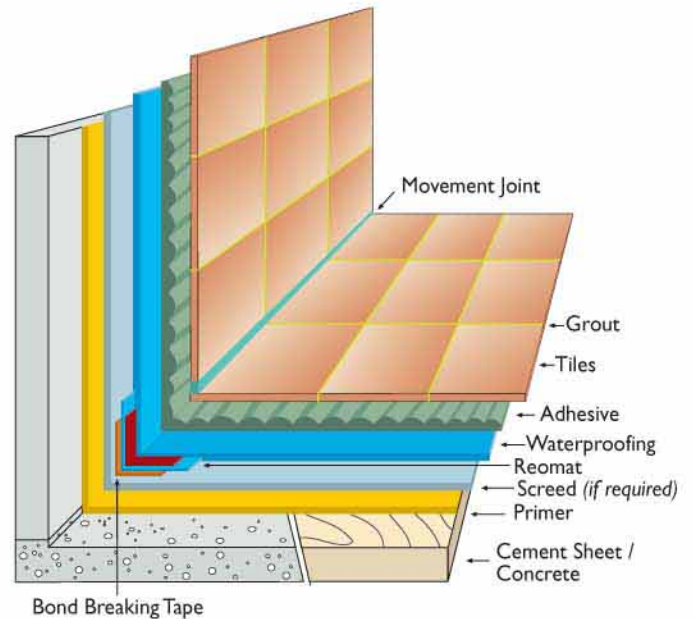
WI2 | Concrete Swimming Pools – Waterproofing and Tiling

Primer	Prime the surface with a **Primax**.
Levelling / Render	Level the walls and floor with mortar screed mixed with **Kemcrete**.
Waterproofing	Waterproof with **Liquid Flash 2** applied in two coats to a minimum 1.5mm final dry film thickness.
Adhesive	Fix tiles using **Kemgrip Floor and Wall** mixed with **Elastracrete** applied with a minimum 6mm notched trowel.
Grout	Grout with **Kemgrout Sanded** mixed with **Primebond**.
Movement Joint	Fill expansion joints with **Pool Grade Silicone Sealant**.
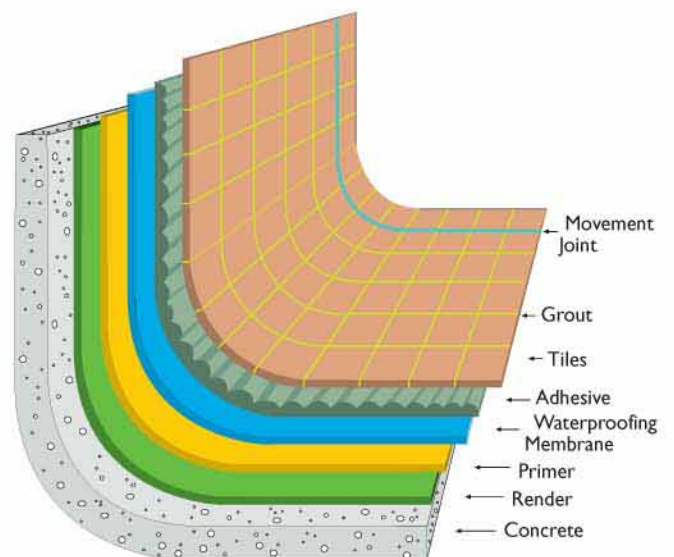
Flooring

F1 | Concrete – Internal / External

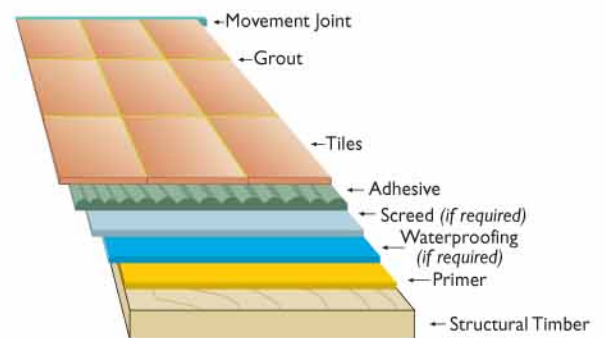|	
Primer	Prime the surface with **Primebond** (internal)/ **Primax** (external).
Levelling / Screed (*if required*)	Level concrete with **Level Floor.** Screed to falls using **Kemcrete** mixed with cement/sand mortar finishing with a wood float on a primed surface.
Waterproofing (*if required*)	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Monoflex** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded.**
Movement Joint	Fill expansion joints with **Colour Seal** (internal). **Polyurethane Sealant** (external).

- ← Movement Joint
- ← Grout
- ← Tiles
- ← Adhesive
- ← Waterproofing (*if required*)
- ← Screed / Levelling (*if required*)
- ← Primer
- ← Concrete
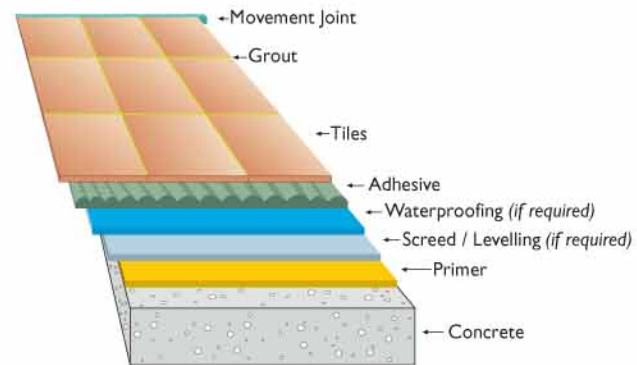
F2 | Compressed Fibre Cement Sheeting Internal / External

Primer	Prime the surface with **Primebond** (internal)/ **Primax** (external).
Screeding (*if required*)	Screed to falls using **Kemcrete** mixed with cement/sand mortar finishing with a wood float on a primed surface.
Waterproofing (*if required*)	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm dry film thickness.
Adhesive	Adhere tiles with **Kemflex 2:1** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond.**
Movement Joint	Fill expansion joints with **Colour Seal** (internal). **Polyurethane Sealant** (external).

- ← Movement Joint
- ← Grout
- ← Tiles
- ← Adhesive
- ← Waterproofing (*if required*)
- ← Screed (*if required*)
- ← Primer
- ← Compressed Cement Sheet

F3 | Timber – Structural – Internal

Primer	Prime the surface with **Primebond.**
Waterproofing (*if required*)	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm dry film thickness on a primed surface.
Screed (*if required*)	Screed to falls using **Kemcrete** mixed with cement/sand mortar finishing with a wood float.
Adhesive	Adhere tiles with **Kemflex 2:1** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond.**
Movement Joint	Fill expansion joints with **Colour Seal.**

- ← Movement Joint
- ← Grout
- ← Tiles
- ← Adhesive
- ← Screed (*if required*)
- Waterproofing (*if required*)
- ← Primer
- ← Structural Timber

F4 | Timber Floor – Internal
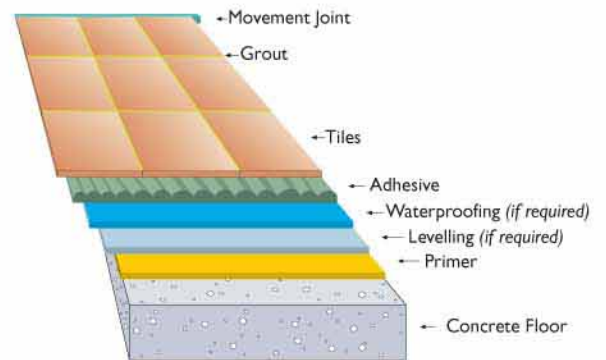
Primer	Prime cement sheets with **Primebond.**
Underlay	Fix cement sheet underlay or a 6mm layer of **Acoustiflor** to make floor structurally firm.
Waterproofing (*if required*)	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm dry film thickness.
Adhesive	Adhere tiles with **Kemflex 2:1** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond.**
Movement Joints	Fill expansion joints with **Colour Seal.**

- ← Movement Joint
- ← Grout
- ← Tiles
- ← Adhesive
- ← Waterproofing (*if required*)
- ← Primer
- ← Underlay or Cement Sheet
- ← T&G Timber
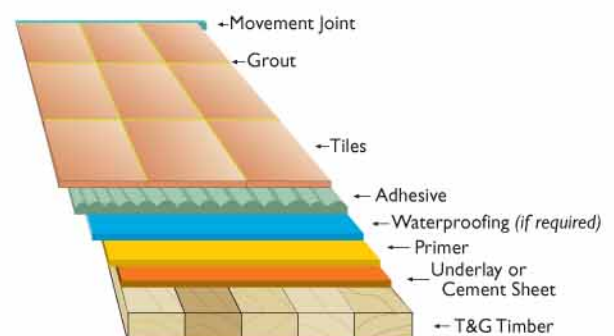
Flooring

F5 | Commercial Floors – Subject To High Point Loading

Primer	Prime the surface with **Primebond**.
Levelling *(if required)*	Level concrete slab with **Level Floor Tuff**.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Kemgrip Floor and Wall** mixed with **Elastacrete** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond**.
Movement Joints	Fill expansion joints with **Polyurethane Sealant**.

← Movement Joint
← Grout
← Tiles
← Adhesive
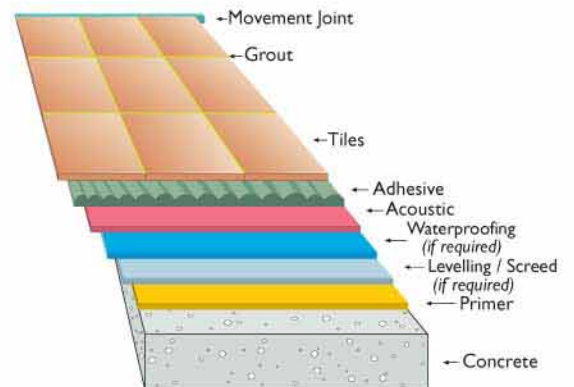← Waterproofing *(if required)*
← Levelling *(if required)*
← Primer
← Concrete Floor

F6 | Concrete Floors – Subject to High Movement/Temperature Fluctuation, Vibrations, Roofs, Balconies, Heated Floors

Primer	Prime the surface with **Primebond**.
Levelling / Screed *(if required)*	Level floors with **Level Floor**. Screed to falls using **Kemcrete** mixed with mortar on a primed surface.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Kemflex 2:1** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond**.
Movement Joints	Fill expansion joints with **Polyurethane Sealant**.

← Movement Joint
← Grout
← Tiles
← Adhesive
← Waterproofing *(if required)*
← Levelling / Screed *(if required)*
← Primer
← Concrete Slab

F7 | Concrete Floors – Requiring an Acoustic Rating – Internal

Primer	Prime the surface with **Primebond**.
Levelling / Screed *(if required)*	Level floors with **Level Floor**. Screed to falls using **Kemcrete** mixed with mortar on a primed surface.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Acoustic	Apply **Acoustiflor** sound reduction membrane 6mm thick.
Adhesive	Fix tiles using **Monoflex** using a minimum 12mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded** mixed with **Primebond**.
Movement Joints	Apply a foam tape filler to separate the tiles from the perimeter walls and fill joints with **Colour Seal**.

← Movement Joint
← Grout
← Tiles
← Adhesive
← Acoustic
Waterproofing *(if required)*
← Levelling / Screed *(if required)*
← Primer
← Concrete

F8 | Floor – Tiling Over Existing Tiles
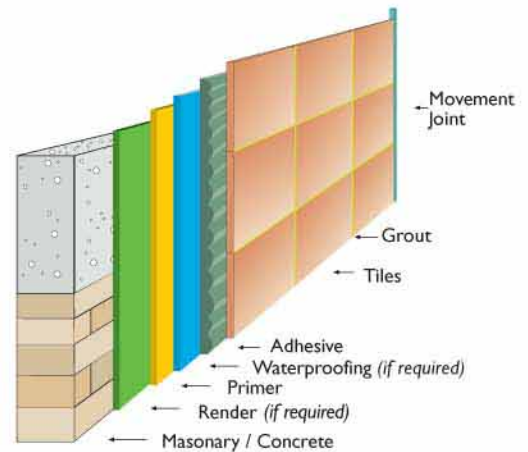
Primer	Prime the existing tiles with **Primax**.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Kemflex 2:1**, **Monoflex** or **Kemgrip Floor and Wall** with **Elastracete** applied with a minimum 10mm notched trowel.
Grout	Grout tiles with **Kemgrout Sanded**.

← Movement Joint
← Grout
← Tiles
← Adhesive
← Waterproofing *(if required)*
← Primer
← Existing Tiles
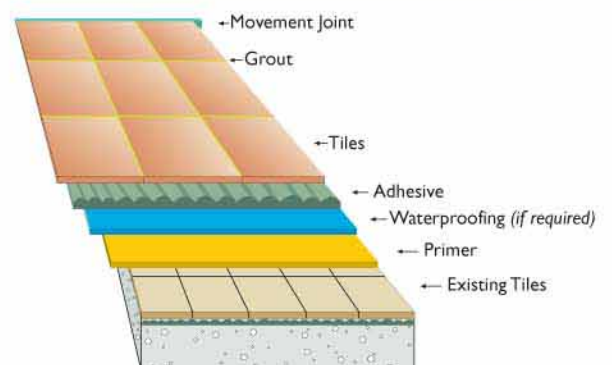
Walls

W1 | Concrete / Cement Render / Masonry

Primer	Prime the surface with **Primebond**.
Render *(if required)*	Level the substrate with a **Kemcrete** cement/sand mortar mortar 10-15mm thick.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Gripflex** applied with a minimum 6mm notched trowel.
Grout	Grout tiles with **Kemgrout Flexible**.
Expansion Joint	Fill expansion joints with **Colour Seal**.

Movement Joint
Grout
Tiles
Adhesive
Waterproofing *(if required)*
Primer
Render *(if required)*
Masonary / Concrete

W2 | Building Boards – Gypsum / Cement Sheet

Primer	Prime the surface with **Primebond**.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 1** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Gripflex/Tilemastic*** applied with a minimum 6mm notched trowel. (*use **Gripflex** over waterproof membrane and **Tilemastic** when waterproofing not required)
Grout	Grout tiles with **Kemgrout Flexible**.
Movement Joint	Fill expansion joints with **Colour Seal**.

Movement Joint
Grout
Tiles
Adhesive
Waterproofing *(if required)*
Primer
Gypsm / Cement Sheet / Building Board
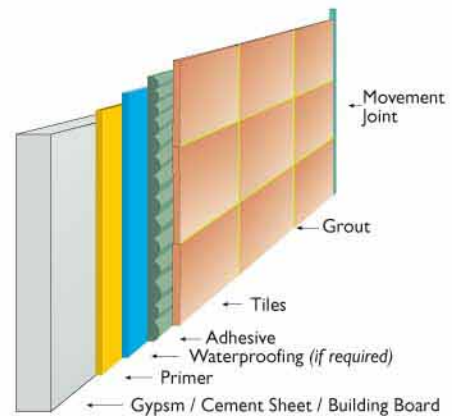
W3 | Over Existing Tiles

Primer	Prime the surface with **Primax**.
Waterproofing *(if required)*	Waterproof with **Liquid Flash 2** applied in two coats to a minimum of 1.5mm final dry film thickness.
Adhesive	Adhere tiles with **Gripflex** applied with a minimum 6mm notched trowel.
Grout	Grout tiles with **Kemgrout Flexible**.
Movement Joint	Fill expansion joints with **Colour Seal**.

Movement Joint
Grout
Tiles
Adhesive
Waterproofing *(if required)*
Primer
Existing Tiles
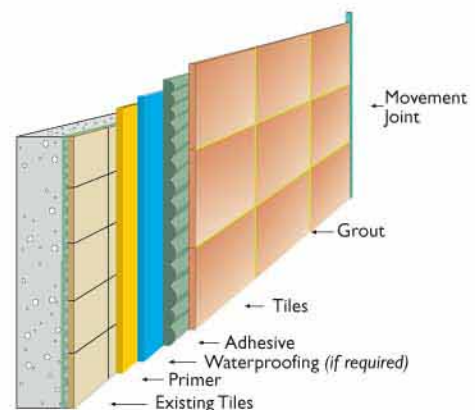
* All tiling must be to Australian Standards and good trade practice.
Product recommendations are a guide only. Refer to www.constructionchemicals.com.au

The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the users sole responsibility to ensure suitability for a specific purpose.

For additional information contact the nearest office:

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