

PRODUCT SPECIFICATION

Product System:	Stainless-Steel Profile with Porcelain Coping Tile to Concrete Substrate with Waterproofing Membrane
Project Reference:	Swimming Pool Coping Tiles over Cantilevered Stainless-Steel Profile
Site Address:	Generic – For site specific specifications please contact MBP NZ Ltd
This Specification is intended for the above listed project, and all products must be installed in accordance to this product specification and the Technical Data Sheet (TDS) of the products listed herewith. TDS for the listed products are hyperlinked in blue.	

1. LEVELLING MORTAR (if required to make any repairs or smoothing prior to application of Waterproofing)

a. Trade Name: [Planitop Fast 330 Zero](#)

GP-CS IV class rendering and plastering mortar in compliance with European Standard EN 998-1

A quick setting, fibre reinforced cementitious mortar for internal and external floors and walls, applied at thicknesses from 3mm to 30mm to smooth out irregularities.

2. WATERPROOFING

a. Trade Name: [Mapelastic Smart](#)

In compliance with Section 3-1-1(B) of E3-ASI of the New Zealand Building Code [BRANZ Appraisal Certificate No. 485 \(2018\)](#) External Waterproofing Membrane.

A two component, flexible, tanking membrane.

b. Trade Name: [Mapeband Easy](#)

Rubber tape ad gasket sandwiched between two layers of non-woven fabric to form elastic joints in waterproofing systems.

c. Trade Name: [Mapenet 150](#)

An alkali resistant fibreglass mesh used in reinforcing protective waterproofing compounds, anti-fracture membranes and insulating materials.

3. ADHESIVE

a. Trade Name: [Kerapoxy Adhesive](#)

RT2 class adhesive in compliance with EN 12004 Standards

A two component, acid resistant, epoxy adhesive for the installation of tiles to fibreglass. Available in grey or white.

The information in this Specification is consistent with the information given in the Product Technical Data Sheets (TDS). If further information is required, MBP (NZ) LIMITED recommends referring to the Product TDS, or seeking advice from MBP (NZ) LTD.

The information given in this Specification relating to the application and use of MAPEI products is given in good faith based on MBP (NZ) LIMITED's current knowledge and experience of the product when appropriately stored, handled and applied under recommended conditions as per the information in the Product TDS. In practice, the difference in application conditions, substrates, materials, and site environments are such that no guarantee in respect of consumption or fit for a particular purpose can be concluded either from the information given in this specification, or any other written or verbal recommendations. The Applicator of the product must assess the substrate and the product's suitability for the intended application and final service provision of the product or product system.

4. **GROUT (2 options)**

a. Trade Name: [Ultracolor Plus Zero](#)

CG2WA class grout in compliance with EN 13888 Standards.

A rapid setting and drying grout, anti-efflorescence, water repellent, mould resistant polymer modified for joints from 2mm to 20 mm with excellent compressive strength. 40 colours with matching silicone.

b. Trade Name: [Kerapoxy Easy Design](#)

RGRT2 class grout in compliance with EN 13888 Standards

A two component, acid resistant, epoxy grout for joints from 1mm in width. 41 colours in the range with matching silicone.

c. Trade Name: [Ultracare Kerapoxy Cleaner](#)

A special cleaning solution for epoxy grout. Used for initial cleaning of fresh Kerapoxy and Kerapoxy Easy Design residue within 24 hours of application.

5. **SILICONE**

a. Trade Name: [Mapesil AC](#)

A solvent free, mildew resistant, silicone sealant with 30 colours to match grout.

b. Trade Name: [Ultracare Smooth Silicone Spray](#)

Water-based smoothing spray for finishing sealants during applications. Suitable for acetic, neutral cure and polyurethane sealants.

6. **Deflection Criteria**

- a.** It is essential that the deflection criteria for both the substrate and the supporting structure or framing are met under all live or dead loading with a maximum deflection of L/360 dependent on the type and module size of the tile, as per AS 3958:2023 Installation of Ceramic and Stone Tiles - Table 4.1.2 – Substrate Maximum Deflection by Tile Type

7. **Tolerances**

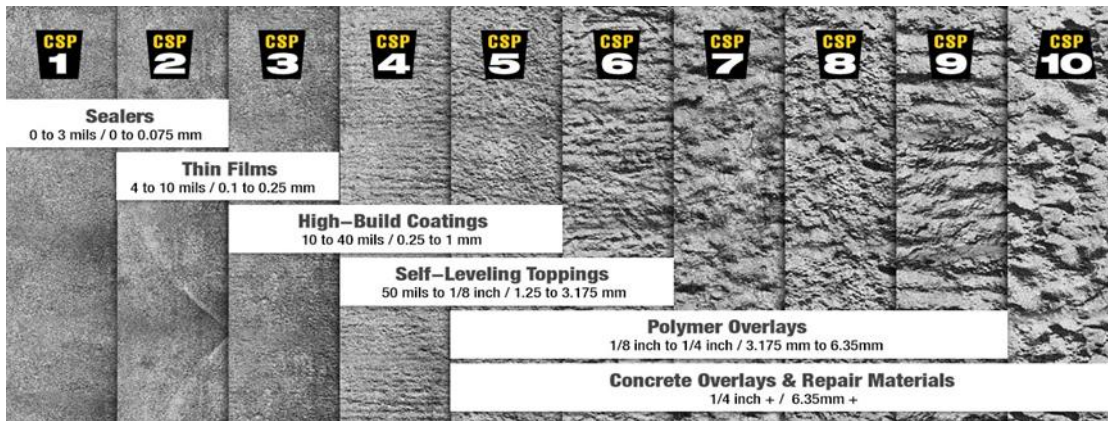
- a.** Maximum variation in the plane of the substrate should not exceed as stated in AS 3958:2023 Installation of Ceramic and Stone Tiles - Table 4.1.3(a) – Substrate Surface Flatness Tolerance.

8. **Concrete Substrate**

- a.** The substrate should be free of all existing tiles, membranes, laitance, curing compounds, dust, oil, wax, paint, release agents or other surface contaminants before the commencement of the waterproofing installation.
- b.** Any new concrete should have been curing for a minimum of 28 days and have a RH of 75% or less prior to the application of MAPEI products.

Spec. Name:	Stainless-Steel Profile with Porcelain Pool Coping Tiles to Concrete Substrate with Waterproofing – External	Version:	1554-JLP-V1	Release date:	21/05/2026
Compiled by:	Jennifer Price	Date:	21/05/2026	Checked:	Ian Williams

- c. The concrete and concrete block substrate should carry a Concrete Surface Profile (CSP), CSP 2-3 finish prior to the installation of the waterproofing membrane. Mechanical abrading may be required if this finish is not available as per BRANZ Good Practice Guide to Tiling Section 4.4 & 4.5.



9. Levelling / Screeding (where required)

- a. Should the need arise for localised concrete repair or smoothing of the concrete and concrete block substrates be required, saturated surface dry (SSD) the suitably prepared concrete using clean cold water. Then apply a featheredge coating of Planitop Fast 330 Zero on to the substrate and immediately apply additional product to build to the required thickness (up to a maximum of 30mm) on walls and floors.

1. Installation

- a. After suitable preparation of the substrate, SSD the concrete and/or repair mortar.
- b. Once the concrete is surface dry install the Mapeband Easy bandage at all changes in plane using the Mapelastic Smart to bond the bandage and preformed internal and external corners to the substrate and bond the minimum 50mm lap joins in the bandage.
- c. Apply the Mapelastic Smart to cover the Mapeband Easy bandage and Mapeband Easy gasket using a heavy nap roller, trowel or brush, then apply the Mapelastic Smart to the substrate using a flat bladed trowel, then immediately use a 6mm notch trowel to gauge the thickness of the membrane.
- d. Once the membrane is notched immediately lay the Mapenet 150 mesh over the notched membrane and immediately back-trowel to encapsulate the Mapenet 150 into the Mapelastic Smart to achieve the 1st 1mm of thickness of the membrane. Any laps in the Mapenet 150 must be minimum of 50mm.
- e. The Mapenet 150 must not be fitted over or under the Mapeband Easy bandage or Mapeband Easy gasket. Once the first coat of the membrane has dried install the second 1mm coat with a trowel, brush or roller. Dependent on the ambient and substrate temperature the 2nd coat can be applied after the 1st coat has dried for 6 to 8 hours.

Spec. Name:	Stainless-Steel Profile with Porcelain Pool Coping Tiles to Concrete Substrate with Waterproofing – External	Version:	1554-JLP-V1	Release date:	21/05/2026
Compiled by:	Jennifer Price	Date:	21/05/2026	Checked:	Ian Williams



- f. The final dry film thickness of the Mapelastic Smart must be no less than 2mm.
- g. Mapelastic Smart must be protected from rain for 24 hours after each coat.
- h. Once Mapelastic Smart has been allowed to cure for a **minimum of 5 days**, installation of the stainless-steel profile can commence using Kerapoxy Adhesive. Once the adhesive has dried install the porcelain to the stainless-steel using Kerapoxy Adhesive.
- i. Select the correct size notched trowel to achieve the minimum contact of the adhesive bed to the substrate and the stainless-steel and the tile to the stainless-steel. The double spread (back-buttering) method of installation must be used to achieve a solid adhesive bed, as per AS 3958:2023 Installation of Ceramic and Stone Tiles – Table 5.6.5.2 – Adhesive Coverage.

2. Grouting

- a. Upon satisfactory curing of the adhesive, grouting can be commenced using Ultracolor Plus Zero or Kerapoxy Easy Design. Any residue of Kerapoxy Easy Design grout must be cleaned from the tile surface within 24 hours using Ultracare Kerapoxy Cleaner.

NOTE: Ultracolor Plus Zero and Kerapoxy Easy Design grout will show colour variance if used in the same location

Note: Do not use Kerapoxy Easy Design #100 White in areas exposed to UV

3. Movement Joints

- a. In general, movement or control joints must be installed at the perimeter of all tiled areas, where the tile surface abuts another material, at changes of plane, where joints exist in the substrate, notwithstanding this discussion with structural engineers is essential to address the elements pertinent to the individual situation, ensuring the correct installation of movement and construction joints.
- b. Installation of the silicone sealant is to be carried out using Mapesil AC Silicone Sealant. Use Ultracare Smooth Silicone spray for the final smoothing of the silicone while the silicone is fresh.

Spec. Name:	Stainless-Steel Profile with Porcelain Pool Coping Tiles to Concrete Substrate with Waterproofing – External	Version:	1554-JLP-V1	Release date:	21/05/2026
Compiled by:	Jennifer Price	Date:	21/05/2026	Checked:	Ian Williams

1. Limited Warranty

- a. MBP (NZ) LTD warrants that when MAPEI products are prepared, applied and installed in accordance with the products' Technical Data Sheet (TDS) plans, specifications, as well as with the relevant provisions of the New Zealand building code, the products will have the properties and characteristics set out in the TDS and will retain these properties and characteristics for the duration of the Warranty Period listed under the relevant MAPEI product warranty.
- b. MAPEI's warranties are limited to its products, and **do not** cover installation, workmanship or product mixing and preparation aspects. It is the sole responsibility of the applicator of the products to assess the substrate and the product/s' suitability for the intended application and final service provision of the product.
- c. A full list of all MAPEI product warranty terms and conditions is available upon request.

2. No Responsibility

- a. The applicator of a MAPEI product is not an agent or employee of MBP (NZ) LTD and therefore MBP (NZ) LTD takes no responsibility and assumes no liability for their workmanship or their use of the product in inappropriate circumstances or surfaces.
- b. Where expressly agreed with you in writing, MBP (NZ) LTD's representatives may supervise the preparation of MAPEI products to ensure that the preparation meets the products' specifications, on the basis that MBP (NZ) LTD does not take any responsibility for such supervision, as well as for:
 - a. any failure to apply the product in accordance with any relevant specifications, standards, regulation or similar; and
 - b. the use of the product in inappropriate circumstances or on inappropriate (or inappropriately prepared) surfaces; and
 - c. the workmanship of the applicator of the product, even if our representatives are present at the time of application.

Any guidance MBP (NZ) LTD's representatives provide during their supervision will not modify any express manufacturers' warranty or product warranty relating to the relevant MAPEI products.

- c. MBP (NZ) LTD provides product information, including this specification, on a non-reliance basis. All information and proposals are given in response to the information provided to us. MBP (NZ) LTD is not liable for the assessment of whether the products and methodologies are suitable for your particular circumstances or whether they meet the requirements of the NZ Building Code or other regulatory requirements. This assessment and decision whether or not to use the products must be made by you.

Spec. Name:	Stainless-Steel Profile with Porcelain Pool Coping Tiles to Concrete Substrate with Waterproofing – External	Version:	1554-JLP-V1	Release date:	21/05/2026
Compiled by:	Jennifer Price	Date:	21/05/2026	Checked:	Ian Williams
					Page 5 of 6

3. Consumer Guarantees

- a. Nothing in this Specification is intended to modify or negate a consumer’s rights and remedies under the Consumer Guarantees Act 1993.
- b. In the event of inconsistency between the provisions of this Specification, our Terms of Trade and the relevant manufacturers’ or product warranty, the order of priority set out below will apply (with (a) having the highest priority):
 - a. MBP (NZ) LTD Terms of Trade;
 - b. Manufacturer’s or product warranty;
 - c. This Specification.

MBP (NZ) LIMITED

Jennifer Price

National Product Manager Ceramic and Resilient Line

Jennifer.price@MBPLtd.co.nz

Mob: 0292799700

www.MBPLtd.co.nz

Spec. Name:	Stainless-Steel Profile with Porcelain Pool Coping Tiles to Concrete Substrate with Waterproofing – External	Version:	1554-JLP-V1	Release date:	21/05/2026
Compiled by:	Jennifer Price	Date:	21/05/2026	Checked:	Ian Williams
					Page 6 of 6