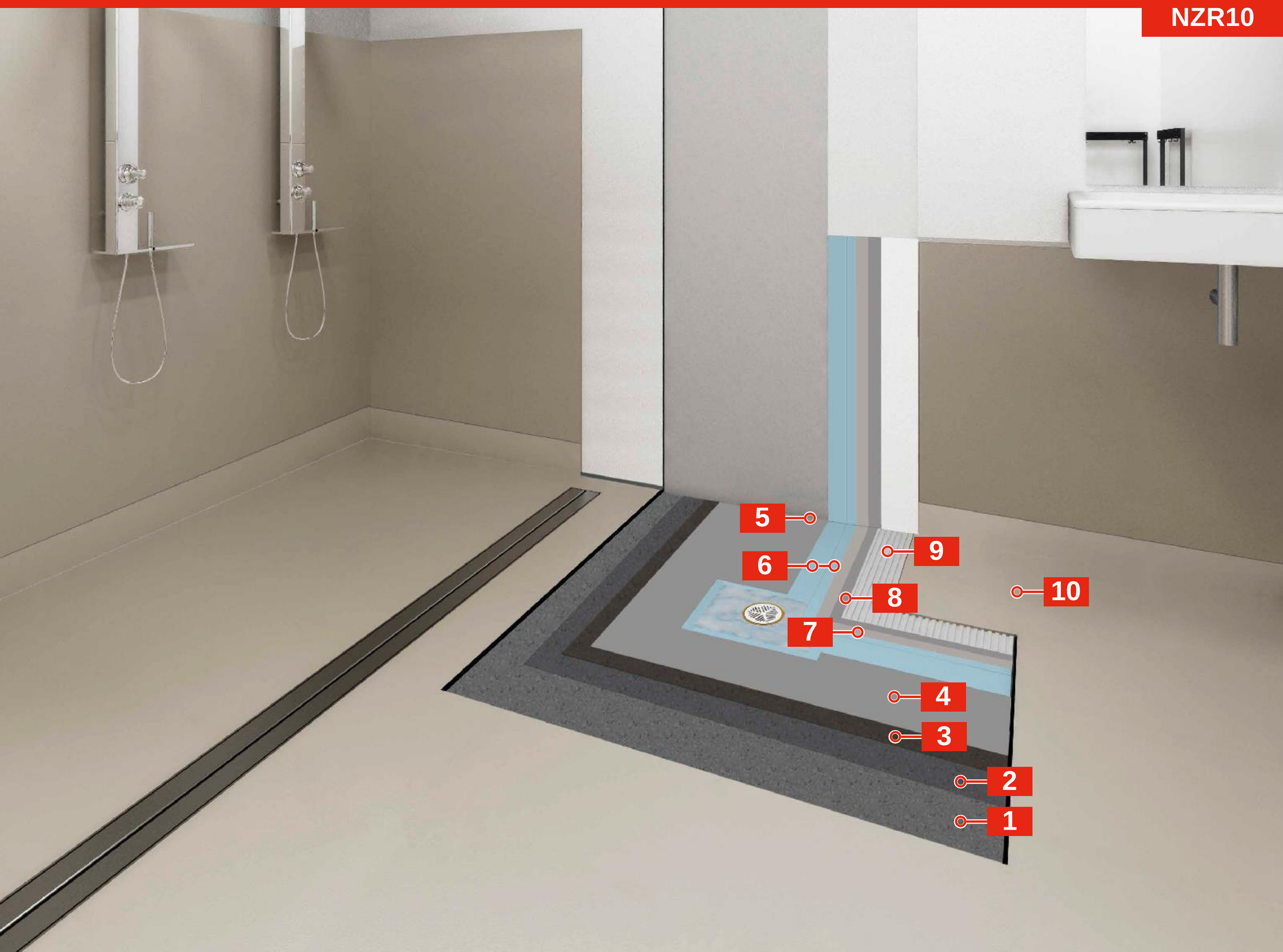
SYSTEM FOR THE **INSTALLATION OF VINYL SHEET ON FLOORS IN WET AREAS**

GREEN INNOVATION

MAPEI®

NZR10



Create falls to waste

concrete substrate	*bonding slurry* **Planicrete SP & Mapecem**	*bonded screed* **Mapecem Pronto**	*moisture vapour barrier* **Primer MF**	*joint sealant* **Mapeflex PU45 FT**	*waterproofing membrane* **Mapegum WPS**	*primer* **Eco Prim T Plus**	*skim coating compound* **Planiprep SC**	*adhesive* **Ultrabond Eco MS 4 LVT/WALL**	*vinyl sheet*
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

Please refer to the corresponding Work Method Statement for complete list of suitable products and installation information

08/18 REV 0 (NZ)

PART 1 SYSTEM

1.1 REFERENCES

1. NZS AS 1884:2013 – Floor Coverings – Resilient Sheet and Tiles – Installation Practices
2. AS 3740 (2010) – Waterproofing of Domestic Wet Areas
3. MAPEI Surface Preparation Requirements – Floor Covering Installation Systems
4. MAPEI Technical Notebook – Installing Resilient Wall and Floor Coverings

1.2 CONCRETE SUBSTRATE PREPARATION

All substrates must be structurally sound, dry, solid and stable. Any laitance, dust, grease, oil, paint or curing compounds present on the surface of the concrete substrate that may inhibit bond, shall be mechanically removed. The substrate should then be cleaned and prepared in accordance with the relevant standards and as per the MAPEI technical data sheets (TDS).

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.

1.3 BONDED SCREED

A. MAPECEM PRONTO 210-07-2017 (AUS)

1. Pre-blended, ready-to-use, quick-setting and drying (24 hours), controlled-shrinkage mortar for screeds.

- **NOTE:** Prior to the application of the screed:
  - ◊ Ensure a slurry coat of 1 part **PLANICRETE SP 700-6-2016 (GB x FAR EAST)** mixed with 1 part **MAPECEM 201-02-2017 (AUS)** has been applied.
  - ◊ Ensure screed is applied over the slurry coat whilst the slurry coat is still wet.
- **APPLICATION:**
  - ◊ Screed to be in accordance with NZS AS 1884:2013.
  - ◊ Mix **MAPECEM PRONTO** in strict accordance with the TDS paying particular attention to the surrounding environmental conditions.
  - ◊ Ensure a minimum thickness of 10 mm is applied.
  - ◊ If required, ensure adequate falls to waste are created in accordance with Appendix B of AS 3740 (2010).

1.4 MOISTURE VAPOUR BARRIER

- **NOTE:** Prior to the application of the moisture vapour barrier, relative humidity (RH) readings must be carried out in accordance with NZS AS 1884:2013. For readings <75% RH and falling, a moisture vapour barrier is not required.

Moisture vapour barrier to be chosen from the following options:

A. PRIMER MF 544-02-2018 (AUS)

1. Epoxy moisture barrier for cementitious substrates.

B. MAPEPROOF 1K TURBO 2918-02-2018 (AUS) *<95% RH, 28-day old concrete*

1. One component, solvent free, moisture curing and rapid drying polyurethane surface membrane with a very low emission of volatile organic compounds.

- **APPLICATION:**
  - ◊ Apply with a roller, brush or flat trowel in two (2) coats to ensure a glossy film on the surface is achieved.

1.5 WATERPROOFING MEMBRANE

A. MAPEGUM WPS 2014-9-2016 (GB)

1. Fast drying flexible liquid membrane for waterproofing.

- **NOTE:** Prior to the application of the waterproofing membrane:
  - ◊ Ensure a flexible fillet has been applied, with **MAPEFLEX PU45 FT 8102-10-2016 (GB)** or **MAPEFLEX PU40 422-05-2017 (AUS)**, at wall/wall, wall/floor junctions and all other areas where movement is expected,
  - ◊ Ensure the flexible fillet is dried and fully cured.
- **APPLICATION:**
  - ◊ Waterproofing membrane to be applied using a trowel, roller, brush or spray to a minimum final thickness of 1 mm.
  - ◊ Floor waterproofing membrane to be returned up wall substrates over the flexible fillet in accordance with AS/NZ 3740 and the TDS and returned down into wastes.
  - ◊ Wall waterproofing membrane to be returned down across the floor substrate over the cured flexible fillet.

1.6 PRIMER

A. ECO PRIM T PLUS 2930-04-2018 (AUS) - Undiluted

1. Solvent free acrylic primer in water dispersion with very low emissions of volatile organic compounds.

- **APPLICATION:**
  - ◊ Apply the primer using a brush or roller undiluted in accordance with the TDS.
  - ◊ Ensure no puddling of the primer occurs.

1.7 SMOOTHING COMPOUND

Smoothing Compound to be chosen from the following options:

A. PLANIPREP SC PR: 6574 MKT: 17-2252 09-2017 (US)

1. High performance, fibre reinforced skim coating compound.

- **APPLICATION:**
  - ◊ Apply with a flat steel trowel as desired from feather edge to 25 mm in thickness.

B. LATEXPLAN TRADE 4001-12-2015 (UK)

1. Two part smoothing / levelling compound.

- **APPLICATION:**
  - ◊ Pour the mixed levelling compound onto the prepared substrate and spread with a smooth edged trowel to the required thickness from 1 to 10 mm.
  - ◊ Only pour enough levelling compound that can be levelled in the appropriate amount of time before it begins to set. Refer to TDS for setting & curing times.

1.8 ADHESIVE

- **NOTE:** Prior to the application of the adhesive, ensure the adhesive and floor covering are acclimatised to the prescribed temperature.

Adhesive to be chosen from the following options:

A. **ADESILEX G19 252-1-2016 (GB)**

1. Two-component, epoxy-polyurethane adhesive for resilient and textile flooring.

B. **ULTRABOND ECO MS 4 LVT 5858-1-2017-III (GB)**

1. One-component, sililated polymer-based adhesive for laying LVT on floors.

- **APPLICATION:**
  - ◊ Apply adhesive using a U1 or V1 notched trowel.
  - ◊ Apply adhesive evenly on as much of the substrate that can be covered with flooring whilst the adhesive is still fresh.

MAPEI provides technical data sheets (TDS) for all products which should be read in conjunction with this Work Method Statement. The TDS' can be obtained from www.mapei.co.nz, or by clicking directly on the listed products within the PDF.