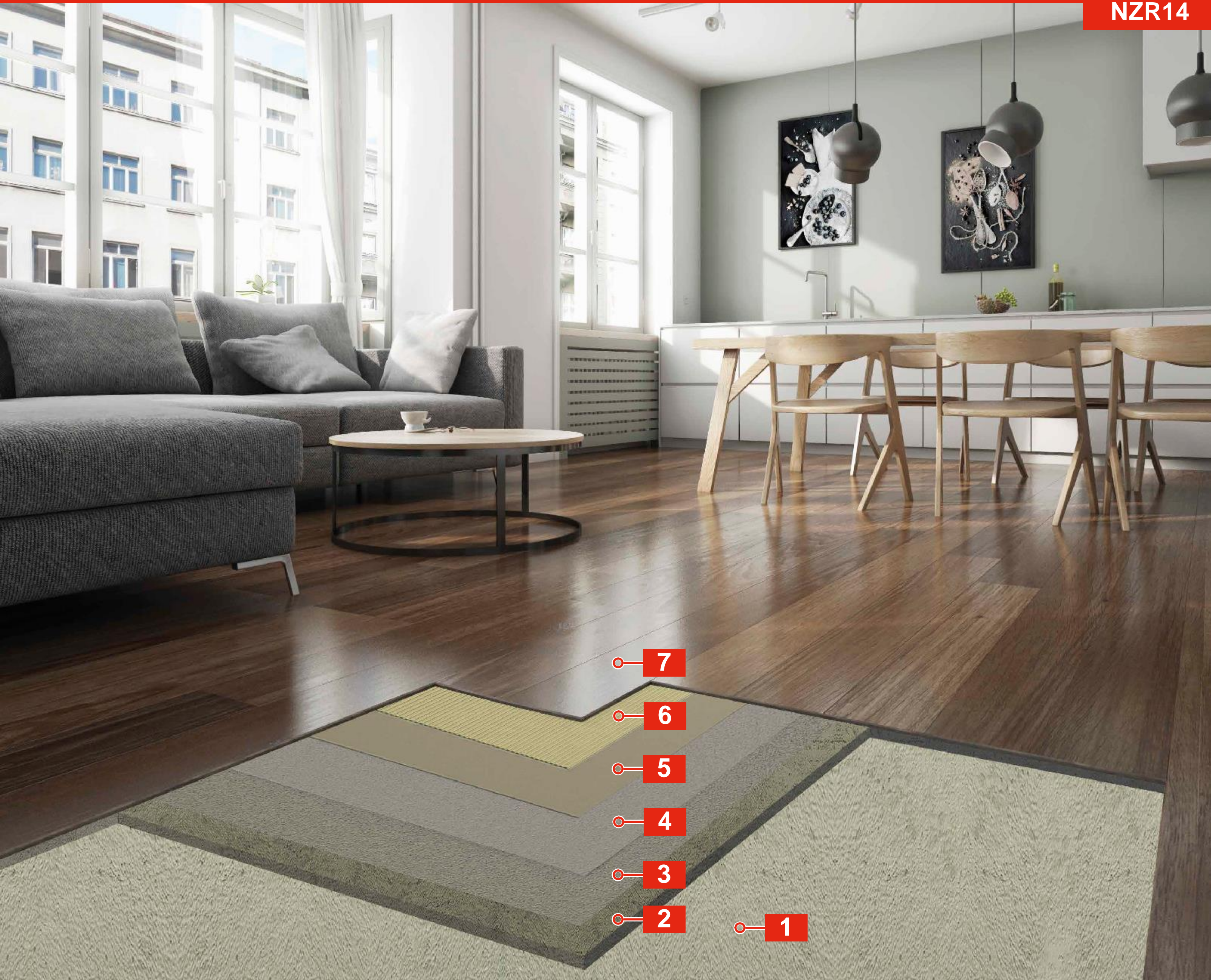


SYSTEM FOR THE INSTALLATION OF SHEET VINYL OR LVT OVER AN ENGINEERED SCREED



NZR14



properly prepared
concrete substrate



engineered screed
Topcem Pronto



moisture vapour barrier
(if required)
Primer MF



primer
Eco Prim T Plus



levelling compound
Ultraplan



adhesive
Ultrabond Eco VS90 Plus

LVT floor covering

08/18 REV 0 (NZ)

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

PART 1 SYSTEM

1.1 REFERENCES

1. NZS AS 1884:2013 – Floor Coverings – Resilient Sheet and Tiles – Installation Practices
2. [MAPEI Surface Preparation Requirements – Floor Covering Installation Systems](#)
3. [MAPEI Technical Notebook – Installing Resilient Wall and Floor Coverings](#)

1.2 SUBSTRATE PREPARATION

1. **Bonded Screed:** Substrates must be structurally sound, dry, solid and stable. Any laitance, dust, grease, oil, paint or curing compounds present on the surface of the 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).
2. **Unbonded Screed:** Substrate must be structurally sound, solid, smooth and stable. Isolate the substrate with a polythene sheet or similar material.

1.3 ENGINEERED SCREED

- **NOTE:** Prior to the application of the screed, relative humidity (RH) readings must be carried out in accordance with NZS AS 1884:2013 on concrete substrates. For readings above 75% RH, a moisture vapour barrier is required and should be applied above the screed.
- A. [TOPCEM PRONTO 209-7-2017 \(AUS\)](#)
1. Ready-to-use normal setting, controlled-shrinkage mortar for quick-drying screeds (4 days).
- **APPLICATION:**
 - ◇ Ensure substrate preparation in accordance with section 1.2.
 - ◇ Mix and apply in strict accordance with the TDS based on bonded or unbonded application, paying particular attention to the surrounding environmental conditions.

1.4 MOISTURE VAPOUR BARRIER – IF REQUIRED

Moisture vapour barrier to be chosen from the following options:

- A. [MAPEPROOF 1K TURBO 2918-02-2018 \(AUS\)](#)
1. One component, solvent free, moisture curing and rapid drying polyurethane surface membrane with a very low emission of volatile organic compounds. Concrete substrates with less than 95% RH only.
- B. [PRIMER MF 544-02-2018 \(AUS\)](#)
1. Epoxy moisture barrier for cementitious substrates.
- **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 PRIMER

A. [ECO PRIM T PLUS](#) 2930-04-2018 (AUS)

1. Solvent free acrylic primer in water dispersion with very low emissions of VOC.

- **APPLICATION:**

- ◇ Apply primer using a brush or roller diluted with 2 parts water over screeds or undiluted when applied over a moisture vapour barrier.
- ◇ Ensure no puddling of the primer occurs.

1.6 SMOOTHING/LEVELLING COMPOUND

- **NOTE:** Smoothing/Levelling compound must be applied 2 to 3 hours after applying the primer, but no longer than 24 hours.

Product to be chosen from the following options:

Smoothing Compound

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 to create a smooth and flat surface.

Levelling Compound

B. [ULTRAPLAN ECO](#) 513-05-2017 (AUS)

1. Ultra-fast hardening self-levelling compound with very low volatile organic compounds.

C. [ULTRAPLAN](#) 501-05-2017 (AUS)

1. Ultra-fast drying, self-levelling compound with very low volatile organic compounds.

- **APPLICATION:**

- ◇ Spread the levelling compound using a large metal trowel or float, tilting the trowel slightly to obtain a 3 to 5 mm thick coat.



1.7 ADHESIVE

- **NOTE:** Prior to the application of the adhesive, ensure the floor covering and substrate are acclimatized to the recommended temperatures and R.H.

Adhesive to be chosen from the following options:

A. ULTRABOND ECO 380 232-9-2015 (GB) – Sheet vinyl only

1. Solvent free, transitional pressure sensitive adhesive with strong initial tack and extended open time for vinyl floor coverings.

B. ULTRABOND ECO V4 SP 224-8-2015 (GB)

1. Universal adhesive in water dispersion for resilient floor coverings, with very low emission of volatile organic compounds.

C. ULTRABOND ECO VS90 PLUS 5855-9-2015 (GB)

1. Universal high temperature adhesive in water dispersion for resilient floor coverings.

- **APPLICATION:**

- ◇ Apply enough adhesive to the substrate using trowel such that it wets the back of the covering completely.
- ◇ Do not apply the adhesive where flooring material cannot be installed with the adhesive open time.

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.

This Work Method Statement (WMS) provides general recommendations only and is not intended to be interpreted as a generic specification for the application/installation of the listed products. Mapei provides technical data sheets (TDS) for all products which should be read in conjunction with this WMS. The TDS can be obtained from www.mapei.co.nz. Each project differs in exposure/condition, therefore specific recommendations may vary from the information contained above. For recommendations for specific applications/installations please contact MAPEI New Zealand Ltd.

