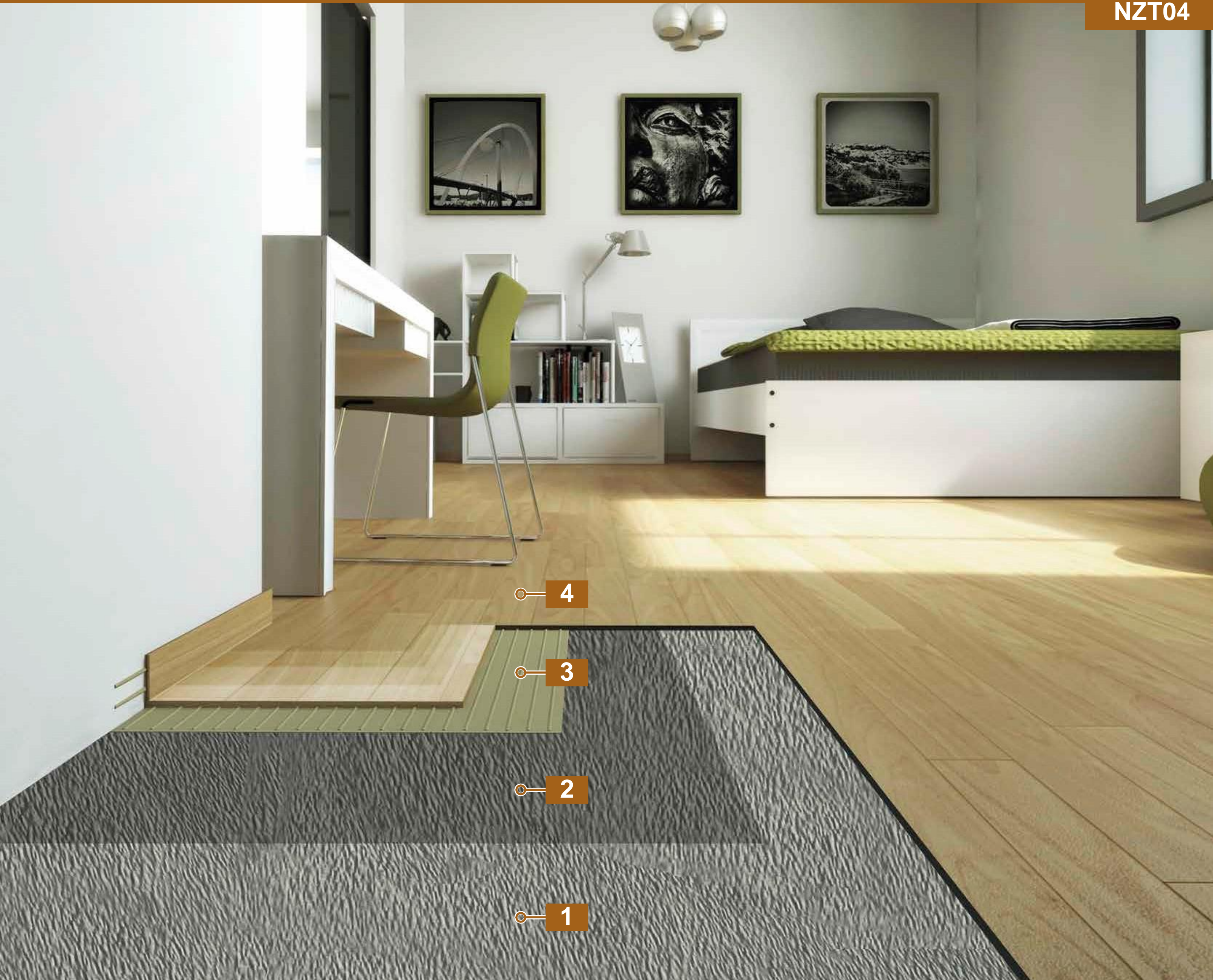


SYSTEM FOR THE INSTALLATION OF TIMBER FLOORING OVER A MOISTURE VAPOUR BARRIER



NZT04



concrete substrate
properly prepared

1



moisture vapour barrier
Mapeproof 1K Turbo or Primer MF
for over 95% RH - 7 day old concrete

2



timber adhesive
Ultrabond Eco S955 1K

3

timber flooring

4

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

PART 1 SYSTEM

1.1 REFERENCES

1. Australasian Timber Flooring Association (ATFA)
2. [MAPEI Surface Preparation Requirements – Floor Covering Installation Systems](#)

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 MOISTURE VAPOUR BARRIER (MVB)

- **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.

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,
- ◇ A single coat is usually sufficient, providing a continuous layer with a glossy film on the surface is achieved. For more porous substrates, or substrates in poor condition, a second coat should be applied.

- **NOTE:** For solid timber, parquetry & areas where high stresses are expected, MAPEI highly recommend completely saturating the fresh coat of the MVB with [Quartz 1.2](#).

1.4 TIMBER ADHESIVE

- **NOTE:** Adhesive must be applied once moisture vapour barrier is dry to touch (Approx. 2 hours for [MAPEPROOF 1K TURBO](#), 4 hours for [PRIMER MF](#)) but no longer than 24 hours. Not applicable if the moisture vapour barrier was broadcasted with sand.

A. [ULTRABOND ECO S955 1K 270-2-2016 \(GB\)](#)

1. One component, solvent free, sililated polymer based adhesive with a very low emission level of volatile organic compounds for all types of parquet.

- **APPLICATION:**

- ◇ Apply adhesive evenly over substrate with Mapei notched trowel for wood.
- ◇ The timber adhesive must be applied once the moisture vapour barrier is dry, no less than 2 hours and no greater than 24 hours after the MVB was applied.



WORK METHOD STATEMENT

Timber System – Internal
Timber Floor Coverings over a Moisture Vapour Barrier

MAPEI: NZT04
Version: 10/08/2018
Revision: 0

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.

