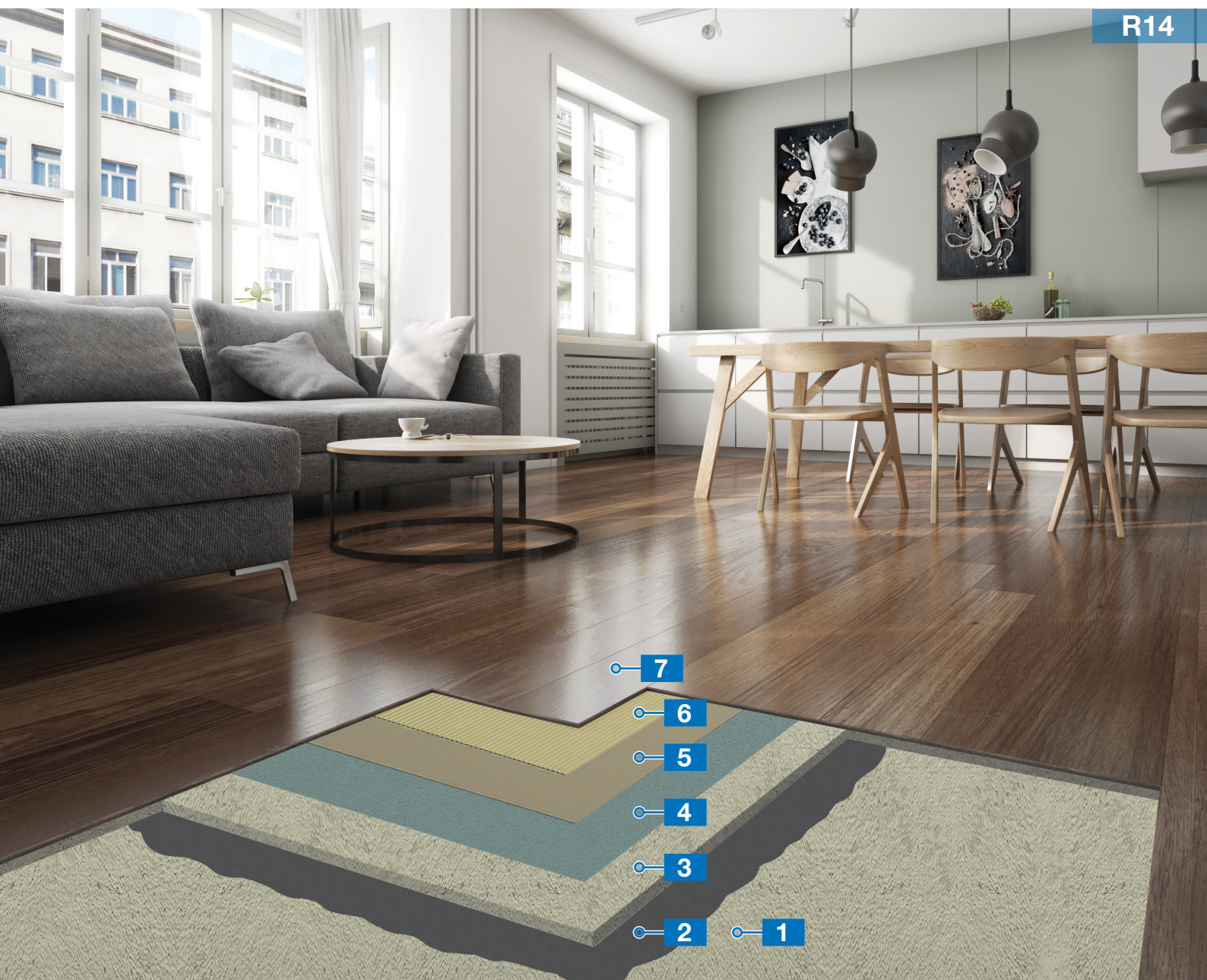


# SYSTEM FOR THE INSTALLATION OF SHEET VINYL OR LVT OVER AN ENGINEERED SCREED

R14



properly prepared  
concrete substrate

1



bonding slurry  
**Topcem Pronto Slurry +  
Planicrete SP**

2



engineered screed  
**Topcem Pronto**

3



primer  
**Mapeproof Primer**

4



levelling compound  
**Ultraplan**

5



adhesive  
**Ultrabond Eco VS90  
Plus**

6

LVT floor covering

7

## PART 1 SYSTEM

### 1.1 INFORMATION

- This work method statement covers the system to install vinyl sheet or LVT over an engineered screed in internal environments, in accordance with industry best practice, relevant standards and as per MAPEI technical data sheets (TDS).
- MAPEI provides technical data sheets (TDS) and safety data sheets (SDS) for all products which should be read in conjunction with this Work Method Statement (WMS). Where necessary, conduct a chemical risk assessment and SWMS to ensure each products' correct and safe use. These documents can be obtained from [www.mapei.com.au](http://www.mapei.com.au), or by clicking directly on the products listed within the PDF.
- Products in this WMS can contribute towards satisfying the relevant Green Star credits. The VOC content of products can be found under section 9 on the product SDS, while VOC emissions certificates can be found on the product webpage.

### 1.2 USER NOTES

### 1.3 RELEVANT DOCUMENTATION

#### A. Australian Standard(s):

1. AS 1884-2021 – Floor coverings – Resilient sheet and tiles – Installation practices

#### B. MAPEI Technical Notebook(s):

1. [Installation of Heated Screeds and Substrates for Laying Floors](#)
2. [Surface Preparation Requirements - Floor Covering Installation System](#)

### 1.4 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).
- Relative humidity (R.H.) and pH level readings must be carried out in accordance with AS 1884. For R.H. readings >85% and/or pH levels >11, a moisture vapour barrier is required and should be applied above the screed. Check with supplier of floor covering for their moisture requirements.

#### 2. Unbonded Screed:

- Substrate must be structurally sound, solid, smooth and stable. Isolate the substrate with a polythene sheet or similar material. In the case of high moisture, apply two layers perpendicular to each other with a 200 µm overlap of each sheet. No liquid-applied moisture vapour barrier is then required.

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. As each project differs in exposure and site conditions, specific recommendations may vary from the information contained above. For recommendations for specific applications/installations please contact MAPEI Australia Pty Ltd.





## 1.5 ENGINEERED SCREED

*Engineered screed to be chosen from the following options:*

**A. TOPCEM PRONTO** - ☐

Ready-to-use normal setting, controlled-shrinkage, quick-drying screed (4 days).

**B. MAPECEM PRONTO** - ☐

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

- **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.

## 1.6 PRIMER

*Primer to be chosen from the following options:*

**A. ECO PRIM T PLUS** - ☐

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

- **APPLICATION:**

- ◇ Apply the primer using a brush or roller diluted in accordance with the TDS.
- ◇ Levelling compound must be applied 2 to 3 hours after the application of **ECO PRIM T PLUS** but no longer than 24 hours.

**B. MAPEPROOF PRIMER** - ☐

One-component, rapid drying PVDC based dispersion primer for protecting floor coverings from residual concrete moisture. Can protect up to <95% RH, 28-day old concrete.

- **APPLICATION:**

- ◇ Apply the first coat using a roller in one direction. When the first coat is touch dry (approximately 15-30 mins), apply the second coat perpendicular to the direction of the first coat application.
- ◇ If pin holing or weak spots are observed apply an additional coat in accordance with the TDS.
- ◇ Levelling compound applied 2-5 hours after the application, but no longer than 12 hours.



## 1.7 SMOOTHING/LEVELLING COMPOUND

*Product to be chosen from the following options:*

Smoothing Compound – Good Solution

**A. PLANIPREP SC - ☐**

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 – Best Solution

PRODUCT		TIME BEFORE LAYING (Hours)
ULTRAPLAN ECO	<input type="checkbox"/>	12
ULTRAPLAN FAST TRACK	<input type="checkbox"/>	2
ULTRAPLAN	<input type="checkbox"/>	12
ULTRAPLAN TRADE	<input type="checkbox"/>	24
ULTRAPLAN MAXI	<input type="checkbox"/>	24

• **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.

## 1.8 ADHESIVE

*Adhesive to be chosen from the following options:*

**A. ULTRABOND ECO 380 - ☐**

**– GOOD SOLUTION**

Solvent free, transitional pressure sensitive adhesive with strong initial tack and extended open time for vinyl floor coverings. Do not use for LVT flooring.

**B. ULTRABOND ECO V4 SP - ☐**

**– BETTER SOLUTION**

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

**C. ULTRABOND ECO V4 EVOLUTION - ☐**

**– BETTER SOLUTION**

Universal “all in one” adhesive with fast and strong initial tack and long open time for resilient and textile floor and wall coverings.

**D. ULTRABOND ECO VS90 PLUS - ☐**

**– BEST SOLUTION**

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

• **APPLICATION:**

- ◇ Prior to the application of the adhesive, ensure the floor covering and substrate are acclimatised to the recommended temperatures and R.H.
- ◇ 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.



NOTES

- PRODUCTS FOR CERAMICS AND STONE MATERIAL
- PRODUCTS FOR RESILIENT AND TEXTILE MATERIALS
- PRODUCTS FOR TIMBER FLOORING
- PRODUCTS FOR CEMENTITIOUS AND RESIN FLOOR COVERING
- BUILDING SPECIALTY PRODUCTS
- ADMIXTURES FOR CONCRETE
- PRODUCTS FOR STRUCTURAL STRENGTHENING
- PRODUCTS FOR MASONRY RESTORATION
- WALL PROTECTIVE AND DECORATIVE COATINGS
- WATERPROOFING
- PRODUCTS FOR UNDERGROUND CONSTRUCTIONS (UTT)
- ELASTIC SEALANTS AND ADHESIVES
- PRODUCTS FOR SPORTS FLOORING
- CEMENT ADDITIVES (C-ADD)



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