

# SYSTEM FOR THE INSTALLATION OF ENGINEERED TIMBER FLOORING OVER A CONCRETE SUBSTRATE

H01



concrete substrate  
properly prepared

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levelling compound  
**Novoplan 21**

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timber adhesive  
**Ultrabond Eco S955 1K**

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engineered timber flooring

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## PART 1 SYSTEM

### 1.1 INFORMATION

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- This work method statement covers the system to install tiles over uneven concrete, 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.
- The floor covering manufacturer's installation guidelines should be referred to in conjunction with this WMS. Where conflicts exist in any system guidelines specified on the floor covering manufacturer's technical information, contact Mapei for advice.
- 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

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### 1.3 RELEVANT DOCUMENTATION

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

1. [Surface Preparation Requirements—Floor Covering Installation System](#)

#### B. Other References:

1. [Australasian Timber Flooring Association \(ATFA\)](#)

### 1.4 SUBSTRATE PREPARATION

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1. Relative humidity (RH) readings must be carried out in accordance with ASTM F2170.
2. 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).

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 MOISTURE VAPOUR BARRIER (MVB)

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### A. MAPEPROOF PRIMER

One-component, rapid drying PVDC based dispersion primer. Can be used on <95% RH, 28-day old concrete.

#### APPLICATION:

- If the surface has low absorbency, apply a diluted (1:1 with water) coat of the primer first and allow to dry (in addition to the subsequent 2 coats).
- 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 to the TDS.
- Levelling compound applied 2-5 hours after the application, but no longer than 12 hours.

## 1.6 LEVELLING COMPOUND

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### A. NOVOPLAN 21

Fast hardening self-leveller smoothing compound. Applied from 1 to 10 mm per coat.

#### APPLICATION:

- Spread the levelling compound using a large metal trowel or float, tilting the trowel slightly to obtain the desired thickness. Do not exceed the maximum stated thickness of the product chosen.

## 1.7 ADHESIVE

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### A. ULTRABOND ECO S955 1K

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.

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## Product Guide



**Mapeproof Primer**

Size	Barcode
10 kg	8022452128141



**Novoplan 21**

Size	Barcode
20 kg	8022452049330



**Ultrabond Eco S955 1K**

Size	Barcode
600 ml	8022452127908
15 kg	8022452044892