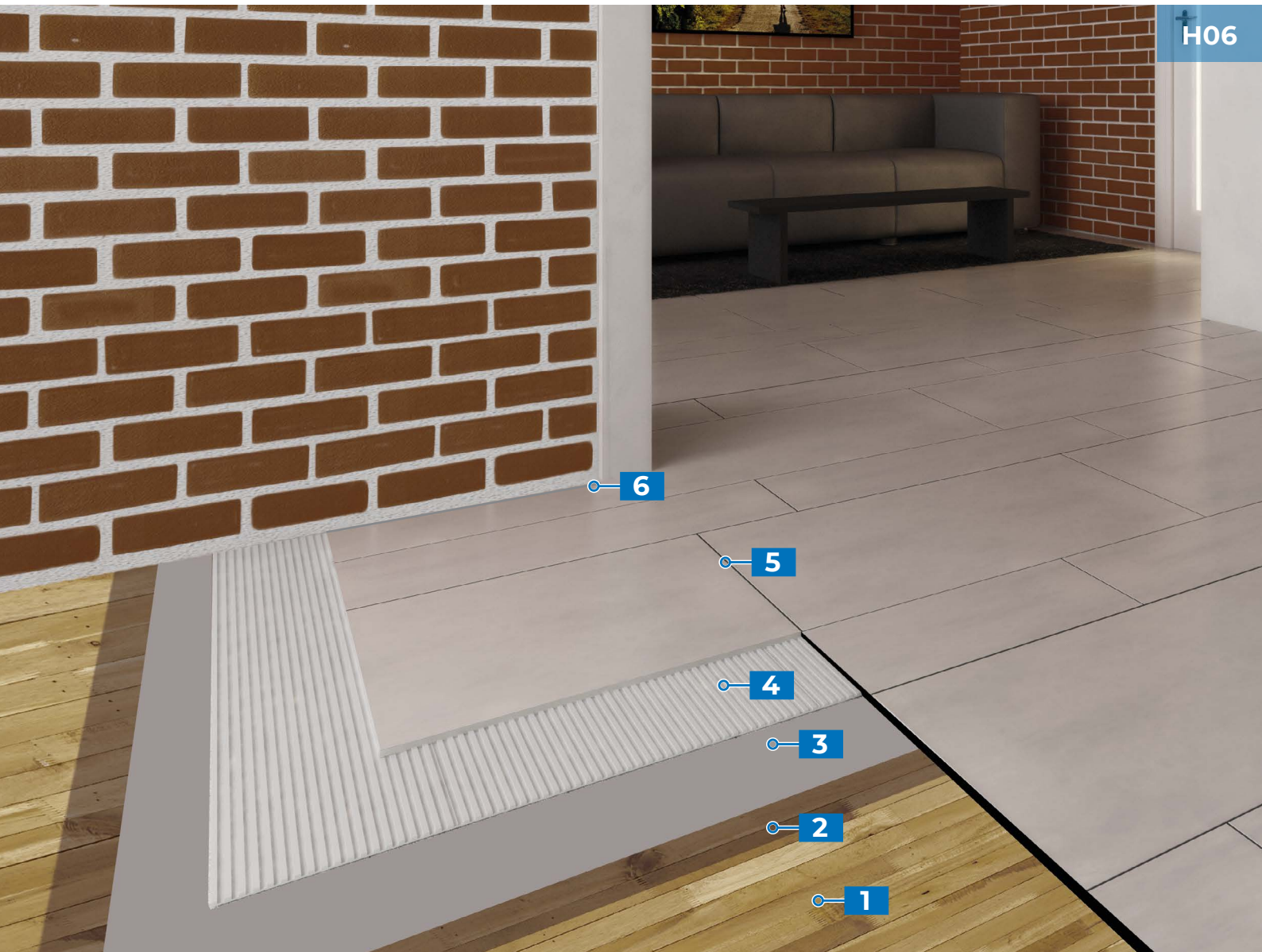


# SYSTEM FOR THE INSTALLATION OF TILES OVER A TIMBER/WOOD-BASED SUBSTRATE



primer  
**Eco Prim Grip**



levelling compound  
**Ultraplan Renovation**



adhesive  
**Lightweight  
S1 Tile adhesive**



grout  
**Keracolor FF**



silicone  
**Mapesil AC**

or



silicone  
**Mapesil LM**

**1**

**2**

**3**

**4**

**5**

**6**

# WORK METHOD STATEMENT

Ceramic/Stone System – Internal  
Installation of Tiles to a Wood-Based Substrate

MAPEI: H06  
Version: 05/04/2023  
Revision: 0

## PART 1 SYSTEM

### 1.1 INFORMATION

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- This work method statement covers the system to install tiles over a wood-based substrate in areas where waterproofing is not required, 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

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### 1.3 RELEVANT DOCUMENTATION

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

1. **AS 3958.1-2007 – Ceramic Tiles; Part 1: Guide to the Installation of Ceramic Tiles**

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

1. [Ceramic Substrate Preparation Guide](#)
2. [Guide for the Installation of Ceramic Materials](#)
3. [Grout Troubleshooting Guide](#)
4. [Laying Stone Materials](#)

#### C. Other References:

1. **ASAA Natural Stone Manual**

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.

## 1.4 SUBSTRATE PREPARATION

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1. All substrates must be structurally sound, dry, solid and stable. Any dust, grease, oil, paint, old coatings or curing compounds present on the surface of the surface 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. Open joints in the timber substrate should be sealed with **NIVORAPID + LATEX PLUS**.
3. In most cases, the substrate is ideally prepared by installing a ceramic tile underlay (CTU) or fibre-reinforced levelling compound prior to tiling. If the substrate is a proprietary sheeted material, check with the manufacturer regarding recommendations as a tile underlay.
4. AS 3958.1 specifies a maximum deflection of L/360. Some stone tiles can be more sensitive to movement, therefore when installing these types of stones, the deflection should be restricted even further to L/480. Seek advice from tile supplier. Ensure the substrate is fixed and installed to meet this requirement.

## 1.5 PRIMER

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### A. ECO PRIM GRIP

Multi-purpose, ready-to-use bonding promoter primer made from synthetic acrylic resin with grit containing very low VOC.

#### APPLICATION:

- Stir ready-to-use primer prior to application, no dilution required.
- Apply primer with either a roller or brush.

## 1.6 LEVELLING COMPOUND

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### A. ULTRAPLAN RENOVATION

Fibre reinforced levelling compound for interiors applied from 3 to 40 mm in a single application.

#### APPLICATION:

- Pour 3.4 to 3.6 litres of potable water into a clean container then add the 20 kg bag of **ULTRAPLAN RENOVATION** while using an electric mixer. Once a lump-free mix is obtained, let it stand for 2 to 3 minutes then briefly remix.
- Spread levelling compound from 5 to 40 mm in thickness using a large metal spreader at a slight angle to obtain the desired thickness.
- It is recommended to introduce saw cuts once the levelling compound can be walked on for large areas at high thickness to alleviate stress.

## 1.7 ADHESIVE

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### A. LIGHTWEIGHT S1 TILE ADHESIVE

One-component, high-performance, deformable, lightweight, cementitious adhesive with no vertical slip and extended open time, Low Dust technology and extremely high yield.

#### APPLICATION:

- Some natural and engineered stones can be prone to warping (moisture sensitivity) and staining. Therefore, Mapei recommends when using stone materials to consult the manufacturer/supplier for any recommendations or prepare and mix adhesive in strict accordance to the packaging and TDS.
- To ensure good adhesion, apply with pressure a thin coat of the adhesive with the straight edge of the trowel. Immediately follow this with a layer of adhesive at the correct thickness using a suitable notched trowel in straight lines.
- Adhesive should also be pressure applied to the back of the tile/stone with a thin coat using the straight edge of the trowel (back-buttering).
- Ensure the adhesive stays “fresh” and does not form a skin, especially in hot environments, prior to the application of the tile/stone.
- Place the tile/stone firmly into position wet-on-wet with a slight back and forward motion perpendicular to the trowel lines to collapse the notches.
- It is recommended to periodically remove and assess adhesive coverage. Continue if acceptable, otherwise reassess trowel and application technique.

## 1.8 GROUT

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**NOTE:** To estimate the consumption rate according to specific project data, use the **MAPEI GROUTS AND SEALANTS CALCULATOR**.

### A. KERACOLOR FF

High performance, polymer-modified, water-repellent, mould resistant cement-based grout with DropEffect® and Bioblock® technology for joints up to 6 mm.

#### APPLICATION:

- Ensure the joints are clean, free of dust and empty down to at least 2/3 of the thickness of the tiles. It is then suggested to carry out a 1 m<sup>2</sup> sample area, along with the silicone, to check cleanability and for approval by the designer.
- Mix the grout and fill the joints completely using a trowel or rubber float. Ensuring the joints are completely compacted with no unevenness.
- Remove excess grout while still fresh from the surface of the tile/stone by moving the float diagonally across the joints.
- When the grout loses plasticity and becomes opaque, clean excess grout with a hard, damp sponge working diagonal to the joints. Rinse sponge regularly using clean water.

## 1.9 SILICONE

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*Silicone to be selected from the below options:*

### A. MAPESIL AC

Pure, mould-resistant, acetic, silicone sealant available in 40 colours.

### B. MAPESIL LM

Neutral mould resistant silicone sealant for stone and marble.

#### APPLICATION:

- Movement joints should be installed in accordance with AS 3958.1-2007.

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## Product Guide



### Lightweight S1 Tile Adhesive

Size	Barcode
13.5 kg	9345490002945



### Ultraplan Renovation

Size	Barcode
20 kg	9345490000712



### Eco Prim Grip

Size	Barcode
5 kg	8022452052705
10 kg	8022452052712



### Mapesil AC or Mapesil LM

Size	Barcode
310 ml	Refer to Mapei Price List for the entire range and barcodes.



### Keracolor FF

Size	Barcode
2 kg	Refer to Mapei Price List for the entire range and barcodes.
5 kg	
20 kg	