

SYSTEM FOR THE INSTALLATION OF CERAMIC OR PORCELAIN TILES ON EXISTING TILES

this system makes it possible
to obtain **GREEN STAR™** credits



C03



existing tiles

1



primer
Eco Prim Grip

2



adhesive
Keraflex Maxi S1

3

tiles

4



grout
Ultracolor Plus

5



sealant
Mapesil AC

6

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

PART 1 SYSTEM

1.1 REFERENCES

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. [Guide for the Installation of Ceramic Materials](#)
2. [Systems for Installing Thin Porcelain Tiles](#)

1.2 EXISTING TILE SUBSTRATE PREPARATION

1. The existing tiles must be cleaned and de-greased. Where required for more difficult contaminants, mechanically prepare the existing tiled substrate using a diamond grinder. Any existing loose/dummy tiles and loose/weak/cracked grout with large/deep joints should be removed and filled with **ADESILEX P4** (107-7-2017 AUS).
2. General: All substrates must be structurally sound, dry, flat, solid and stable. Any dust, grease, oil, paint, or other deleterious contaminants present on the surface of the existing ceramic tile floor substrate that may inhibit bond shall be mechanically removed as per point 1. The substrate should then be cleaned and prepared in accordance with the relevant standards and as per the MAPEI technical data sheets (TDS).

1.3 PRIMER

A. ECO PRIM GRIP (2916-2-2018 GB)

1. Multi-purpose, ready-to-use bonding promoter primer made from synthetic acrylic resin and silica inerts with a very low emission of volatile organic compounds (VOC) for render, smoothing and levelling compounds and adhesives for ceramic tiles.

• **APPLICATION:**

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

1.4 ADHESIVE

Adhesive to be chosen from the following options:

Normal-Set

A. KERAFLEX MAXI S1 (74-04-2017 AUS)

– GOOD SOLUTION

1. High performance, deformable cementitious adhesive with an extended open time and no vertical slip, for ceramic tiles. Especially suitable for the installation of large porcelain tiles and natural stone (non-moisture sensitive).

- **NOTE:** Option B required when applying externally with >5000 cm² (700x700 mm) tiles.

B. KERABOND PLUS + ISOLASTIC (87-02-2017, 112-1-2018)

– BEST SOLUTION

1. Cement based powder with superior bond strength suitable for all types of tiles and natural stone (non-moisture sensitive, Class A), with a latex additive to improve the adhesive's characteristics and to elasticize the adhesive.



Rapid-Set

- C. KERAQUICK S1 (103-06-2016 AUS) – GOOD SOLUTION**
1. High performance, deformable, fast setting cementitious adhesive with no vertical slip, for ceramic tiles and stone material (Class A/B*).
- **NOTE:** Option D required when applying externally with >5000 cm² (700x700 mm) tiles.
- D. KERAQUICK S1 + LATEX PLUS (103-06-2016, 114-3-2014) – BEST SOLUTION**
1. High performance, deformable, fast setting cementitious adhesive with no vertical slip, for ceramic tiles and stone material (Class A/B*) with a latex additive to elasticize the adhesive.

Resin-Based

- E. KERALASTIC T (122-2-2018 GB)**
1. Two component, high performance polyurethane adhesive for ceramic tiles and stone material (Class A/B*/C**).
- **APPLICATION:**
 - ◇ 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.
 - ◇ 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.

1.5 GROUT

- **NOTE:** Prior to the application of the grout, 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 m² sample area for approval by the architect.

Grout to be chosen from the following options:

- A. KERACOLOR RANGE – GOOD SOLUTION**
1. High performance, polymer-modified, cement-base grouts.
- B. ULTRACOLOR PLUS (2801-3-2018 GB) – BETTER SOLUTION**
1. High-performance, anti-efflorescence, quick-setting and drying polymer-modified mortar with water-repellent technology
- C. KERAPOXY (141-11-2016) – BEST SOLUTION**
1. Two component, acid resistant epoxy grout for joints of at least 3 mm.
- **APPLICATION:**
 - ◇ Fill the joints completely with the grout using the appropriate 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.



1.6 SILICONE

- **NOTE:** Prior to the application of silicone, it is recommended that the silicone is applied in a test area to be approved by the client and to ensure it doesn't stain the stone/tile.

A. MAPESIL AC (401-4-2017 GB)

1. Solvent-free, acetic crosslinking mildew resistant silicone sealant.

- **APPLICATION**

- ◇ Movement joints should be installed in accordance with AS3958.1-2007.

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.com.au 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. 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.

