

## PART 1 SYSTEM

### 1.1 REFERENCES

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

1. AS 4654.2-2012 – Waterproofing membranes for external above-ground use – Part 2: Design and installation

### 1.2 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 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).

### 1.3 WATERPROOFING MEMBRANE

#### A. **MAPELASTIC SMART (2013-8-2017 GB)**

1. Two component, high flexibility cementitious mortar (with crack-bridging capacity >2 mm) applied by trowel or roller for waterproofing balconies, terraces, bathrooms and swimming pools.

- **NOTE:** Prior to the application of the waterproofing membrane:

- ◇ **Junctions Option A:** Apply a bond breaker/tape with **MAPEBAND** (337-3-2018 GB) or **MAPEBAND SA** (2179-10-2013) at wall/wall, wall/floor junctions and all other areas where movement is expected.
- ◇ **Junctions Option B:** Apply a flexible fillet with **MAPEFLEX PU45 FT** (8102-10-2016 GB) with the membrane reinforced with **MAPETEX SEL** (911-12-2016 GB) at all wall/wall, wall/floor junctions and other areas where movement is expected
- ◇ Ensure substrate has adequate falls in accordance with Clause 2.5.2 of AS4654.2.

- **APPLICATION:**

- ◇ Waterproofing membrane must be applied in at least three coats by trowel or with a roller within 60 minutes of it being mixed, to give a final thickness (DFT) of at least 2 mm.
- ◇ Lay **MAPENET 150** (914-2-2017) glass fibre mesh into the wet first coat of the waterproofing membrane, ensuring the **MAPENET 150** is completely embedded, in strict accordance with the TDS.
- ◇ Floor waterproofing membrane to be returned up wall substrates over the bond breaker/tape or flexible fillet in accordance with AS4654.2 and the TDS, and returned down into wastes.
- ◇ Ensure waterproofing membrane is adequately protected from point loads and abrasion from the pedestal system and any other potential cause of damage.

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](http://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.

