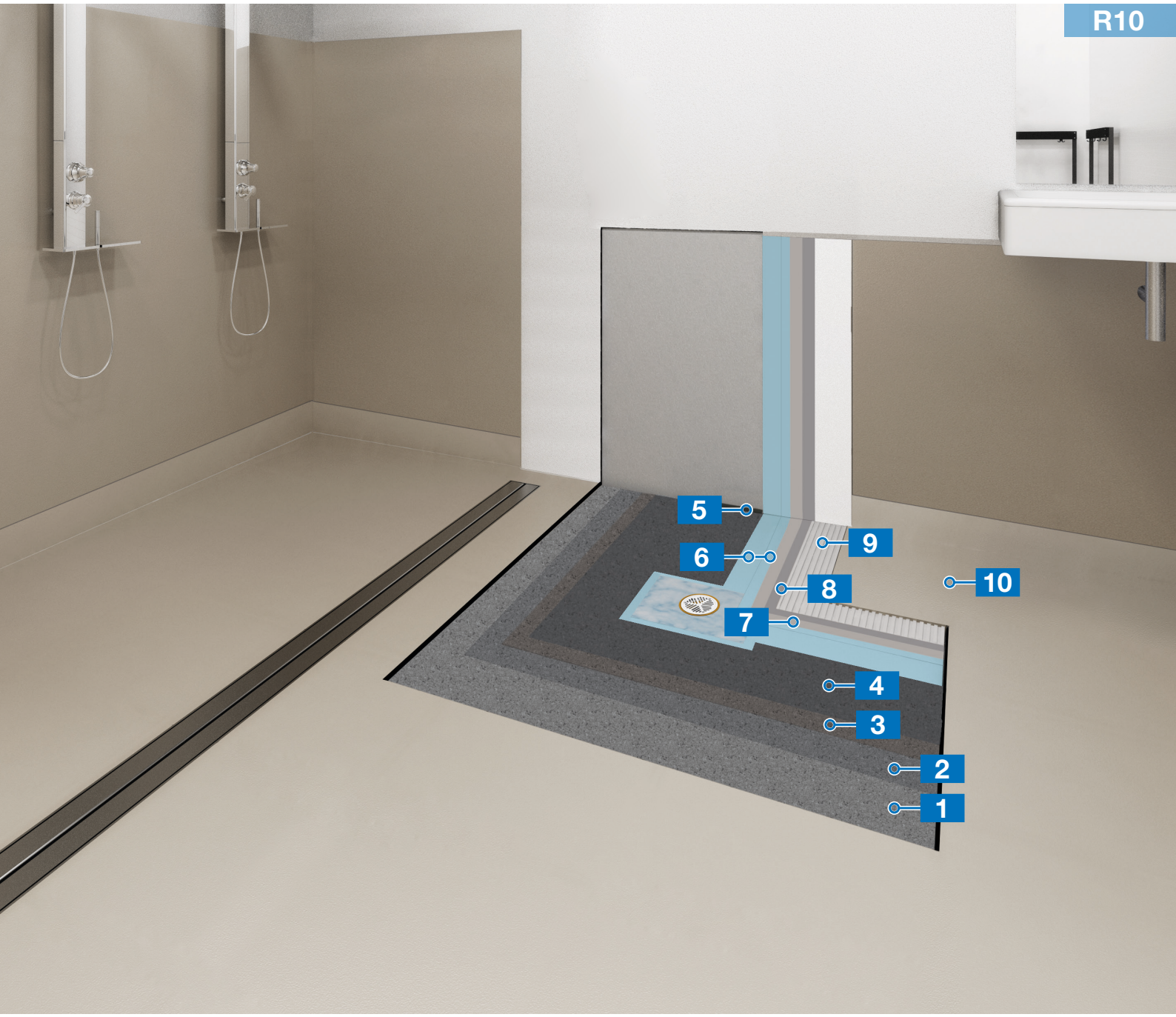
SYSTEM FOR THE **INSTALLATION OF VINYL SHEET ON FLOORS IN WET AREAS**



concrete substrate	bonding slurry **Planicrete SP** & **Mapecem**	bonded screed **Mapecem Pronto**	moisture vapour barrier **Primer MF**	joint sealant **Mapeflex PU 45 FT**	waterproofing membrane **Mapegum WPS**	primer **Eco Prim T Plus**	skim coating compound **Planiprep SC**	adhesive **Adesilex G19**	vinyl sheet
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

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

09/21 REV 3

PART 1 SYSTEM

1.1 INFORMATION

- This work method statement covers the system to install sheet vinyl on floors in wet internal areas, 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***, 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 REFERENCES

A. *Australian Standard(s):*

1. AS 1884-2021 – Floor coverings – Resilient sheet and tiles – Installation practices
2. AS 3740-2021 – Waterproofing of Domestic Wet Areas

B. *MAPEI Technical Notebook(s):*

1. Installation of Heated Screeds and Substrates for Laying Floors
2. Floor Covering Installation Systems – Substrate Preparation

1.4 CONCRETE SUBSTRATE PREPARATION

1. 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).

2. Relative humidity (R.H.) and pH level readings must be carried out in accordance with AS 1884-2021. For R.H. readings >85% and/or pH levels >11, a moisture vapour barrier is required above the engineered screed as per section 1.6. Check with supplier of floor covering for their moisture requirements.

1.5 ENGINEERED SCREED

- **NOTE:** Apply perimeter flashing as per Clause 4.16 of AS 3740-2021 prior to applying the screed.

Engineered screed to be chosen from the following options:

A. **TOPCEM PRONTO** - ☐

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

B. **MAPECEM PRONTO** - ☐

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

- **APPLICATION:**
  - ◊ Ensure a slurry coat of **PLANICRETE SP** mixed with **MAPECEM** or **TOPCEM PRONTO SLURRY** (depending on chosen product) has been applied. Refer to the TDS for mixing details.
  - ◊ Mix screed and apply in strict accordance with the TDS paying particular attention to the surrounding environmental conditions.
  - ◊ Ensure screed is applied over the slurry coat whilst the slurry coat is still wet.
  - ◊ Ensure a minimum thickness of 10 mm is applied.
  - ◊ Where required, ensure adequate falls to waste are created in accordance with Clause 2.3 of AS 3740.

1.6 MOISTURE VAPOUR BARRIER – IF REQUIRED

Moisture vapour barrier to be chosen from the following options:

A. **PRIMER MF** - ☐

Epoxy moisture barrier for cementitious substrates.

B. **MAPEPROOF 1K TURBO** - ☐

One component, solvent free, moisture curing and rapid drying polyurethane surface membrane with a very low emission of volatile organic compounds. Can be used on <95% RH, 28-day old concrete.

C. **MAPEPROOF PRIMER** - ☐

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

- **APPLICATION:**
  - ◊ Apply MVB with a roller, brush or flat trowel in two (2) coats to ensure a glossy film on the surface is achieved.
  - ◊ Subsequent product must be applied within 12-24 hours of applying the MVB, otherwise adhesion is reduced.

1.7 WATERPROOFING MEMBRANE

- **NOTE:** Prior to the application of the waterproofing membrane:
  - ◊ Ensure all pipe penetrations & angles are primed with **ECO PRIM GRIP PLUS** create a suitable mechanically keyed surface prior to the waterproofing. Ensure penetrations are appropriately detailed.
  - ◊ Ensure a bond breaker fillet has been applied with **MAPEFLEX PU 45 FT** or **MAPEFLEX PU40** at all wall/floor junctions and all other areas where movement is expected.

Waterproofing membrane to be chosen from the following options:

A. **MAPEGUM WPS** - ☐

Fast drying Class III flexible liquid membrane for waterproofing for internal waterproofing applications. Applied at 0.4 - 0.8 mm per coat.

B. **MAPELASTIC AQUADEFENSE** - ☐

Ready-to-use, ultra-quick drying, Class III flexible liquid membrane for internal and external waterproofing applications. Applied at 0.4 mm per coat. Certified to AS/NZS 4858:2004 and AS 4654.1-2012.

- **APPLICATION:**
  - ◊ Waterproofing membrane to be applied in two (2) coats using a trowel, roller, brush or spray at the required thickness.
  - ◊ Floor waterproofing membrane to be returned up wall substrates over the bond breaker in accordance with AS 3740 and the TDS. Waterproofing must be returned down into wastes.

1.8 SMOOTHING COMPOUND

Smoothing compound to be chosen from the following options:

A. **PLANIPREP SC** - ☐

High performance, fibre reinforced skim coating compound.

- **APPLICATION:**
  - ◊ Prime the waterproofing membrane with **ECO PRIM T PLUS** - ☐ undiluted and allow to dry.
  - ◊ Mix and apply **PLANIPREP SC** to the primed membrane with a flat steel trowel in at least 2 coats.

B. **PLANIPREP 4 LVT** - ☐

Ready-to-use, smoothing compound. Floors and walls.

- **APPLICATION:**
  - ◊ Mix the product in the bucket before use. Apply with a metal trowel over the surface.
  - ◊ After two hours, the substrate may be lightly sanded as required prior to laying the flooring. Ensure all dust is vacuumed.

1.9 ADHESIVE

A. **ADESILEX G19** - ☐

Two-component, epoxy-polyurethane adhesive for resilient and textile flooring.

- **APPLICATION:**
  - ◊ Prior to the application of the adhesive, ensure the adhesive and floor covering are acclimatised to the prescribed temperature and site conditions.
  - ◊ Apply adhesive using a U1 or V1 notched trowel.
  - ◊ Apply adhesive evenly on as much of the substrate that can be covered with flooring whilst the adhesive is still fresh.

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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