

PART 1 CONCRETE PREPARATION

1.1 GENERAL 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 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).

1.2 CRACKS

Crack preparation product to be chosen from the following options:

A. PRIMER SN (2901-9-2015 GB)

1. Two-component epoxy pre-filled primer.

- **APPLICATION:**

- ◇ Firstly, open the crack with an angle grinder.
- ◇ Mix adhesive/primer with 0.9 mm sand (20% in weight).
- ◇ Seal the crack with the prepared mix.

B. EPORIP (366-7-2013)

1. Two component solvent-free epoxy adhesive for construction joints and for monolithic sealing of cracks in screeds.

- **APPLICATION:**

- ◇ When **EPORIP** is used to seal cracks wider than 0.5 mm, In this case it is recommended to spread sand over the **EPORIP** surface and allow to dry in order to favour bonding of product that may be subsequently applied.

- **NOTE:** Ensure the surface crack repair works are fully set and cured and excess sand removed prior to the application of the subsequent products.

1.3 CONCRETE JOINTS

A. ULTRABOND TURF 2 STARS (6401-5-2018)

1. Two component, solvent and water free polyurethane adhesive.

- **APPLICATION:**

- ◇ Apply adhesive using an appropriate trowel, as specified on the TDS.

1.4 CONSTRUCTION JOINTS

A. MAPEFLEX PU 45 FT (8102-10-2016 GB)

1. One component, rapid hardening, paintable, thixotropic polyurethane sealant and adhesive with a high modulus of elasticity.

1.5 PLANARITY

A. MAPECEM QUICKPATCH (PR4914, 2017)

1. High performance, high flow concrete patch.

- **NOTE:** The substrate must be as flat as possible, and in all cases with a maximum slope of 1.5%.

- **APPLICATION:**

- ◇ Immediately after mixing, pour mix onto the surface and work it in to obtain an excellent mechanical bond, in thicknesses from 1 to 75 mm.



WORK METHOD STATEMENT

Cushion Multipurpose Courts – Indoor & Outdoor
Multi-layered Acrylic Resin on a Concrete Base

MAPEI: S18
Version: 1/04/2019
Revision: 0

PART 2 SYSTEM

2.1 PRIMER

A. MAPECOAT TNS PRIMER EPW (971-3-2017 GB)

1. Two-component epoxy primer in water dispersion.

- **APPLICATION:**

- ◇ Mix the product and apply in a single even coat with a roller or spray. Wait 5-6 hours prior to applying the next product in the coating cycle.

2.2 ACRYLIC RESIN CUSHION COAT

A. MAPECOAT TNS GREY BASE COAT (926-10-2012)

1. Semi-flexible acrylic resin basecoat and filling paste in water dispersion with selected fillers for preparing multi-discipline sports and tennis courts.

- **APPLICATION:**

- ◇ Dilute the acrylic resin in accordance with the TDS and apply 6 coats with a metal or rubber trowel, depending on requirements.

2.3 ACRYLIC RESIN COLOUR COATING

A. MAPECOAT TNS FINISH 1 (567-5-2018 GB)

1. Coloured acrylic resin-based coating product in water dispersion with selected fillers for indoor and outdoor tennis courts and multi-purpose playing surfaces, certified by the ITF (International Tennis Federation).

- **APPLICATION:**

- ◇ Dilute the acrylic resin in accordance with the TDS and apply 3 coats with a rubber trowel, depending on requirements.

2.4 ACRYLIC RESIN LINE MARKING

A. MAPECOAT TNS LINE (923-10-2012)

1. Acrylic resin-based paint in water dispersion for marking out indoor and outdoor sports courts and pitches.

- **APPLICATION:**

- ◇ Dilute the acrylic resin in accordance with the TDS and apply 1 to 2 coats with a brush, roller or spray.

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.

