

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 (2901-9-2013)

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** (366-7-2013) is used to seal cracks wider than 0.5 mm, In this case it is recommended to spread sand over the **EPORIP** (366-7-2013) 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 (6401-3-2014)

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

- **APPLICATION:**

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

1.4 CONSTRUCTION JOINT

A. MAPEFLEX PU45 FT (8102-10-2016)

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

1.5 PLANARITY

A. MAPECEM QUICKPATCH (PR4914, 2010)

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 75mm.



WORK METHOD STATEMENT

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

MAPEI: S08
Version: 22/09/2017
Revision: 2

PART 2 SYSTEM

2.1 PRIMER

A. MAPECOAT I 600 W (2017-7-2007)

1. Two-component, transparent epoxy impregnator in water dispersion
 - **NOTE:** Apply primer homogenously in a single coat with a medium or long haired roller.

2.2 ACRYLIC RESIN SEALER COAT

A. MAPECOAT TNS WHITE BASE COAT (924-10-2012)

1. Semi-flexible, acrylic resin based basecoat and filling paste in water dispersion with selected fillers for preparing multi-purpose sports and tennis courts.
 - **NOTE:** Dilute the acrylic resin in accordance with the TDS and apply 1 coat with a metal or rubber trowel.

2.3 ACRYLIC RESIN CUSHION COAT

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

1. Semi-flexible, acrylic resin based basecoat and filling paste in water dispersion with selected fillers for preparing multi-purpose playing fields.
 - **NOTE:** Dilute the acrylic resin in accordance with the TDS and apply 4 to 8 coats with a metal or rubber trowel, depending on requirements.

2.4 ACRYLIC RESIN COLOUR COATING

A. MAPECOAT TNS FINISH 1.3.4 (567-10-2013)

1. Coloured acrylic resin based coating product in water dispersion with selected fillers for indoor and outdoor tennis courts and multipurpose playing surfaces, certified by the ITF (International Tennis Federation).
 - **NOTE:** Dilute the acrylic resin in accordance with the TDS and apply 2 to 3 coats with a rubber trowel, depending on requirements.

2.5 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.
 - **NOTE:** Dilute the acrylic resin in accordance with the TDS and apply 1 to 2 coats with a brush, roller or spray.

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. 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. Each project differs in exposure/condition, therefore specific recommendations may vary from the information contained above. For recommendations for specific applications/installations please contact MAPEI Australia Pty. Ltd.

