

MAPECOAT TNS PRIMER EPW

Two-component epoxy primer in water dispersion

WHERE TO USE

Mapecoat TNS Primer EPW is recommended for use with products from the Mapecoat TNS, PU Sealer 750, PU 700 SL, PU 800 SL FR and PU 200 Finish line.

Some application examples

- Adhesion promoter for absorbent, porous cementitious substrates.
- Adhesion promoter for existing playing surfaces.
- Adhesion promoter for Mapecomfort elastic mat.
- Primer for products from the Mapecoat TNS line.
- Primer for PU Sealer 750, PU 700 SL, PU 800 SL FR and PU 200 Finish.

Mapecoat TNS Primer EPW is a beige coloured, two-component, epoxy resin-based primer in water dispersion according to a formula developed in the MAPEI R&D laboratories.

Once Mapecoat TNS Primer EPW has been prepared as specified and diluted according to requirements, it may be applied by spray, with a roller or by airless spray in coats from 60 to 100 µm thick.

RECOMMENDATIONS

- Do not dilute Mapecoat TNS Primer EPW with solvent.
- Do not apply Mapecoat TNS Primer EPW on crumbling substrates
- Do not apply Mapecoat TNS Primer EPW if the temperature is lower than +8°C or higher than +35°C.

APPLICATION PROCEDURE

Substrate preparation

Surfaces to be treated must be sound and compact. Eliminate all loose or detached parts, cement laitance, dust, paint, oil, stripping compound and foreign bodies from the substrate. Concrete surfaces impregnated with oil and grease must be thoroughly cleaned with a 10% solution of water and soda or detergent and then rinsed several times with plenty of clean water. If the oil or grease has penetrated deeper into the substrate, all the affected concrete must be removed by scarifying. The substrate must then be integrated with special mortar from the Mapegrout line.

Preparation of the product

Pour component A into the container of component B and mix the two components together with a drill with a mixing attachment at low-speed to form an even compound. Dilute with water at a rate of 1 : 0.5 and mix again with a drill for at least three minutes.

Application of the product

Apply a single even coat of Mapecoat TNS Primer EPW with a medium or long-pile roller or by spray. Wait 5-6 hours before applying the next product in the coating cycle.

Cleaning

Clean tools used to prepare and apply Mapecoat TNS Primer EPW immediately after use with cold water. Once hardened, the product may only be removed mechanically.

CONSUMPTION

100-200 g/m², depending on the absorbency rate of diluted primer.

PACKAGING 10 kg kit: – component A = 2 kg; – component B = 8 kg.

STORAGE

Mapecoat TNS Primer EPW may be stored for 12 months in its original packaging in a dry area at a temperature of at least +5°C.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	transparent	beige
Consistency:	liquid	liquid
Density (g/cm ³):	1.10	1.30
Viscosity at +23°C (mPa·s):	1,600 (# 2 - 10 rpm)	25,000 (# 6 - 10 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	component A : component B = 1 : 4	
Colour of mix:	beige	
Consistency of mix:	fluid	
Density of A+B diluted 1 : 0.5 with water (kg/m ³):	1.15	
Viscosity of A+B diluted 1 : 0.5 with water (mPa·s):	1,000	
Dry solids content (%):	70	
Workability time:	40-50 mins.	
Waiting time before applying finish:	5-6 hours	
Application temperature:	+8°C to +35°C	

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat TNS Primer EPW component A irritates the eyes and skin and may cause sensitisation to those predisposed. Mapecoat TNS Primer EPW component B is corrosive and may cause damage to the eyes. When applying the product it is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin wash immediately with plenty of water and seek medical attention. Mapecoat TNS Primer EPW component A is also hazardous for aquatic life; do not dispose of this product in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.
PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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