



# Mapecoat PU 25

**Two-component coloured aliphatic polyurethane topcoat for membranes from the Purtop range when they are used in swimming-pools or decorative tanks**

## WHERE TO USE

**Mapecoat PU 25** is a coloured elastic, protective topcoat for membranes from the **Purtop** range when they are used in swimming-pools or decorative tanks.

## TECHNICAL CHARACTERISTICS

**Mapecoat PU 25** is a two-component, solvent-based, aliphatic polyurethane topcoat developed in the MAPEI research laboratories with the following characteristics:

- elasticity, which makes it suitable for coating membranes from the **Purtop** range;
- resistant to UV rays and atmospheric agents;
- good hydrolysis stability;
- highly attractive shiny finish;
- easy to clean and resistant to the growth of mould and fungus;
- available in various RAL colours.

## RECOMMENDATIONS

- Only apply **Mapecoat PU 25** if the temperature of the substrate is at least 3°C higher than dew point.
- Apply **Mapecoat PU 25** within 24 hours of applying membranes from the **Purtop** range.
- Do not apply **Mapecoat PU 25** on substrates with a moisture content of more than 4%.

## APPLICATION PROCEDURE

### Substrate preparation

If the substrate to be treated has been coated with a membrane from the **Purtop** range, it must be structurally sound and free of loose areas, dust, dirt, grease, oil and any other material or substance that could affect adhesion of the finish to the substrate. When applying **Mapecoat PU 25** by spray on polyurethane membranes from the **Purtop** range, roughen the surface by sanding (remove all dust with a vacuum cleaner). Then apply **Primer P3** two-component polyurethane primer.

### Preparation of the product

Prepare **Mapecoat PU 25** with an electric mixer. To prepare the mix, blend the two components separately with an electric mixer at low-speed, pour the contents of component B into the container of component A and mix for a few minutes until they are thoroughly blended; make sure you only prepare an amount that can be used within the maximum workability time (approximately 60 minutes at +23°C). If a higher degree of non-slip finish is required, add micronized polyamide **Mapecoat Filler** to **Mapecoat PU 25** at a rate of 7% of the weight of component A while mixing at low-speed.

### Application of the product

Apply two coats of **Mapecoat PU 25** with a roller, making sure the total consumption rate is never less than 0.3 kg/m<sup>2</sup>. The product may also be applied by airless spray; in such cases it must be diluted with maximum 5% of **Thinner PU**.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Consistency:	liquid	liquid
Colour:	according to RAL colour available	neutral
Density (g/cm <sup>3</sup> ):	1.25	1.07
Dry solids content (%):	71	75
Brookfield viscosity at +23°C (mPa-s):	1350 (rotor 4 - 50 RPM)	320 (rotor 3 - 50 RPM)
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	comp.A : comp.B = 4.3 : 0.7	
Consistency of mix:	liquid	
Density of mix (g/cm <sup>3</sup> ):	1.20	
Brookfield viscosity of mix (mPa-s):	1200 (rotor 4 - 50 rpm)	
Pot-life of mix (mins.):	approx. 60	
Application temperature:	+10°C to +35°C	
Set to foot traffic (h):	24	

If the topcoat is applied with a roller, it is recommended to spread it out evenly and apply it in criss-cross strokes to get a nice, attractive finish.

#### Cleaning tools

Tools used to mix and apply the product may be cleaned with thinners before it hardens. Once hardened, it may only be removed mechanically from tools and mixers.

#### CONSUMPTION

0.15-0.2 kg/m<sup>2</sup> per coat.

In general, the consumption rates below are for a seamless film on a flat surface and will be higher on uneven substrates.

#### PACKAGING

Mapecoat PU 25 is available in metal drums in kit:  
– comp. A = 17.2 kg and comp. B = 2.8 kg.

#### STORAGE

Mapecoat PU 25 may be stored for 12 months in its original packaging in a covered, dry area at a temperature of +15°C to +35°C.

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat PU 25 components A and B are inflammable. It is recommended to store the product away from naked flames and sparks, to avoid smoking, to prevent the build-up of electrostatic energy and to work in well ventilated areas.

Components A and B may irritate the respiratory system and may cause sensitisation to those predisposed if they come into contact with the skin.

Mapecoat PU 25 component A may also cause drowsiness and dizziness. Component B irritates the skin and is harmful if inhaled.

During use wear protective gloves and goggles and 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 advice. Wear suitable protection for the respiratory system.

**Mapecoat PU 25** 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 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](http://www.mapei.com)**

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