

# PU Line

## Two-component, water-based polyurethane paint for marking out indoor and outdoor sports pitches and play areas

### WHERE TO USE

Marking out the lines on indoor and outdoor courts and pitches.

### Some application examples

Painting lines on playing surfaces to mark out tennis courts, basketball courts, handball courts or five-a-side football pitches.

### TECHNICAL CHARACTERISTICS

**PU Line** is a two-component, water and polyurethane resin-based paint for internal and external use.

**PU Line** has excellent covering properties and has long-lasting durability.

**PU Line** has excellent resistance to abrasion and surfaces painted with this product are extremely durable, even when used frequently.

**PU Line** is resistant to all types of climatic conditions and aggression from smog and sunlight.

**PU Line** may be applied on both old surfaces which have already been painted and on new surfaces which require painting.

**PU Line** is available in 5 standard colours.

### RECOMMENDATIONS

- Do not dilute **PU Line** with solvent.
- Do not apply **PU Line** directly on dusty, crumbling or weak surfaces.
- Do not apply **PU Line** on substrates with oil or grease stains or with stains in general.
- Do not apply **PU Line** on surfaces used by vehicles.

### APPLICATION PROCEDURE

#### Preparation of the substrate

Apply **PU Line** directly dry on **PU 700 SL**, **PU 800 SL FR** or **PU 200 Finish**. **PU Line** may only be applied over other finishing products after carefully checking the condition of the old layer and after carrying out preliminary tests to verify that it is compatible and that there is good adhesion between the old coating and **PU Line**.

#### Preparation of the product

**PU Line** is a two-component product. The two components that make up **PU Line** must be mixed together just before it is applied. Mix component A thoroughly and add the contents of component B. Mix again for at least 2 minutes with an electric mixer at low-speed with a mixing attachment to prevent entraining air into the product until they are thoroughly blended. Once the two components of **PU Line** have been mixed together, dilute with 15% to 30% water and mix again using the same procedure as before.

#### Application of the product

Apply **PU Line** with a brush, roller or by spray, depending on the type of substrate to be painted. The painting cycle comprises the application of 1 or 2 coats of **PU Line**. Wait 6-12 hours between each coat in normal temperature and humidity conditions. Protect freshly-painted surfaces from rain. If **PU Line** comes into contact with water before it is completely dry, it may not adhere correctly and the final finish may not be acceptable.

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

	comp. A	comp. B
<b>Consistency:</b>	paint	hardener
<b>Colour:</b>	coloured	colourless
<b>Density (kg/l):</b>	1.09 ± 0.05	1.15 ± 0.05
<b>Viscosità CF 4:</b>	85''	/

### PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

Do not apply **PU Line** if it is about to rain or in windy weather. Do not apply **PU Line** on damp or wet surfaces; it may not adhere correctly. Apply **PU Line** at a temperature of between +10°C and +35°C. Do not apply if the level of humidity is higher than 85%.

#### Cleaning

Clean tools used to apply **PU Line** with water before the paint dries.

#### CONSUMPTION

0.2-0.4 kg/m<sup>2</sup> (for two coats of product).

#### PACKAGING

**PU Line** is supplied in 5 kg metal tubs:

- component A 4: kg;
- component B 1: kg.

#### STORAGE

24 months if stored in a dry place away from sources of heat at a temperature of between +10°C and +35°C.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**PU Line** component A irritates the skin and eyes.

**PU Line** component B is highly inflammable. We recommend storing away from naked flames and sparks, to avoid smoking, to prevent the build up of electrostatic energy and to work in well ventilated areas. Component B may also cause sensitisation to those sensitive to isocyanates if it comes in contact with the skin, is harmful if inhaled and irritates the respiratory system. When applying the product it is recommend 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. Use suitable equipment to protect the respiratory system.

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](http://www.mapei.com)**

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