

EPU Linie

DESCRIPTION:

EPU Linie is a one-component, solvent-based, high build line marking paint. It has great scratch, chemical and mechanical resistance and provides a matte finish. The coating is characterized by outstanding hiding power and a very short drying time, allowing multiple layers to be applied in quick succession.

Ideal for multi-storey car parks to differentiate parking bays and roadways and all other surfaces that require demarcation.

EPU Linie has great adhesion properties and can be applied over existing epoxy floors as well as existing MMA floors. The product is cured after 30-60 minutes and the floor can be fully operative after 24 hours.

CONSUMPTION:

Floor system	Product	Consumption
Line marker	EPU Linie	<p>~ 80 - 100 gram / m²</p> <p>Line Width 50 mm -> 100 - 125 m¹ / kg</p> <p>Line Width 100 mm -> 50 - 60 m¹ / kg</p> <p>Line Width 200 mm -> 25 - 30 m¹ / kg</p>

SUBSTRATE PREPARATION:

The substrate must be structurally sound and sufficiently resistant to compression, with a minimum compressive strength of 25 N/mm² and an adhesive tensile strength of at least 1.5 N/mm². It must be clean, dry, and free from dirt, oil, grease, and any other contaminants.

Concrete substrates shall be mechanically prepared, for example by abrasive blast cleaning or scarifying, in order to remove cement laitance and to achieve an open-textured surface. Weak concrete and loose cementitious leveling layers must be completely removed, and any surface defects such as blowholes and voids must be repaired.

Prior to application, all dust, loose particles, and friable material must be thoroughly removed from every surface, preferably using a brush and/or an industrial vacuum cleaner.

APPLICATION CONDITIONS:

Substrate temperature:	Minimum 5°C, maximum +25°C
Ambient temperature:	Minimum 5°C, maximum +25 °C
Relative air humidity:	Minimum 30% R.H. and Maximum 80% R.H.
Dew point:	Beware of condensation!

The material and substrate should be at least 3°C higher than the dew point and during the first 24 hours temperature should not fall below 5°C.

PROPERTIES:

Excellent adhesion to the substrate

Good abrasion resistance

Good chemical and mechanical resistance

Good UV resistance

Applicable on many substrates

(can be applied without primer)

TECHNICAL PARAMETERS:

Density ¹ [g/cm ³]	1,15 - 1,20
Viscosity ¹ [mPa·s]	900-1100
Solids Content [%]	+/- 70
Bond strength [N/mm ²]	> 1,5 (concrete fracture)

1) ISO 2811-1, + 23°C/50% R.H

2) IKA Io-vi, SP-3, 30 RPM, 20°C

PACKAGING:

Can packing: 20 kg or 1 kg.

Different set sizes upon request.

FORM:

Liquid, colored

SHELF LIFE:

Up to 12 months after production date in original, sealed, non-opened and undamaged packaging, stored dry between +10 °C and +30 °C.

CURING TIME:

Touch dry at 20 °C	Approx. 20 minutes
Hard dry at 20°C	Approx. 4 hours
Overcoatabel at 20°C	Minimum. 4 hours

APPLICATION:

For in- and outdoor use as a linemarker, can be directly applied on existing epoxy, polyurethane, methylmethacrylate or asphalt.

The product is applied using a roller. Lines can be marked by masking with tape and/or by rolling along the area with a guide disc or straight edge. When using a guide disc or straight edge, it is important to burn off or cut (remove) the roller's outer-edge fibers to ensure a sharp, clean line.

REMARKS:

When applying the material, ensure the correct personal protective equipment is worn.

EPU Linie contains solvent, ensure adequate ventilation

Use material with the same batch numbers to be sure of an exact and even color match.

Protect from direct sunlight, heat or strong wind and extreme temperatures to prevent rapid drying.

Do not cover or wash within the first 24 hours of curing.

LEGAL NOTES:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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