

Permaflex Primer 1K

Description

Permaflex Primer 1K is a one-component, fast-drying polyurethane primer for use on cementitious surfaces, felt and asphalt substrates.



5L metal can

Areas of application

For use prior to the application of polyurethane systems on surfaces of:

- Asphalt
- Felt
- Cement
- Metal

Properties and advantages

- Good adhesion across the substrates listed above
- Fast-drying, so the primer and the first coat of the system can go on in the same day

Technical characteristics

Density (EN ISO 2811-1)	0.98 kg/L (±0.05)
Adhesion strength (EN 1542)	>2.5 N/mm²
Consumption	180–220 ml/m² per layer on asphalt 150–200 ml/m² per layer on cementitious substrate 125–140 ml/m² per layer on metallic surfaces

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<70%
Application temperature (ambient / substrate)	+12°C min. / +35°C max.

Curing details

Drying time (+25°C, RH 50%)	1.5 hours
Dry to recoat - overcoat (+25°C, RH 50%)	4 hours
Full hardening (+25°C, RH 50%)	24 hours

Low temperatures and low humidity during application and/or curing extend these times. High temperatures and high humidity shorten them.

Instructions for use

Substrate preparation

The substrate must be stable, clean, dry and protected from rising moisture, and free of dust, oil, grease, dirt and any loose or poorly adhering material. Loose, friable material must be fully removed by appropriate mechanical or chemical means.

Asphalt / felt substrate

Prepare thoroughly by high-pressure water jetting and allow to dry completely before priming.

Cement / concrete substrate

Prepare mechanically – grinding, shot blasting, milling or similar – to smooth irregularities and achieve an open-textured surface for optimum bonding. The surface must be as smooth and flat as possible, and free of voids, cracks and similar defects.

Application

Stir Permaflex Primer 1K thoroughly before use. Apply by roller, brush or aerosol spray. On more porous substrates an additional priming layer may be required.

Notes

Do not apply Primer 1K in wet conditions, or if wet conditions are expected during application or curing. The substrate temperature must be at least 3°C above dew point to avoid condensation issues. If more than 24 hours passes between successive layers, lightly sand the surface of the previous layer to avoid adhesion problems with the next one.

Product data

Appearance	Transparent
Packing	5L in metal cans
Volatile organic compounds (VOC)	VOC limit per EU Directive 2004/42/CE, category AhSB: 750g/l (limit from 1.1.2010). VOC content of the ready-to-use product <750g/l
UFI code	SSF0-90YP-K008-MT06
Storage stability	12 months, in the original sealed packaging, protected from frost, humidity and direct sunlight