

weber.prim 500 P

Epoxy based, solvent-free substrate preparation primer

Technical Data Sheet

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■ Description

Epoxy based, two component, low viscosity, solvent-free, deep penetrating substrate preparation primer.

■ Advantages

- Perfect adhesion on absorbant substrates
- Easy application using roller or airless spray
- Suitable for interior and exterior use

■ Application areas

Used as primer on absorbant substrates like concrete, light concrete, cement based render, or wood prior to polyurea, polyurethane, epoxy based waterproofing applications and various floor coverings; also impregnates concrete substrates and used for protection against abrasion, chalking and chemicals.



■ Application substrates

Interiors and exteriors;

- Concrete,
- Cement based renders and screeds,

Please consult us for all other application substrates.

■ Preparation of substrates

- The substrate should be clean, dry and free from oil, grease, dust, coatings and other dirt which may prevent adhesion.
- The substrate should be sound and strong enough. Pull-off strength of the substrate should be at least 1.5 N/mm²; make a test application if not sure about pull-off strength.
- Check substrate humidity before the application, make sure it is below 4%.
- Before application; all dust, loose and crumbling particles must be removed with brush or industrial vacuum cleaner.

■ Application conditions

- Ambient temperature between +5°C and +35°C.
- Avoid application in extremely humid and/or hot weather conditions.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- A and B components of **weber.prim 500 P** should be mixed using a low speed mixer, paying attention to mixing ratio, to a homogenous consistency for about 3 minutes.
- The mix should be spread on substrate using steel trowel or floor squeegee and penetrated using roller.
- Two coats of application is recommended if not sure about the strength of substrate.
- Pot-life of epoxy based products are limited. Consider that the pot-life and curing time decrease in high temperatures and increase in low temperatures. Mix the amount to be used immediately especially in hot ambient conditions or transfer the mixed product to a wide container or application area. Do not use the mix which has started gelling.
- Light scattering of 0,3-0,8 mm quartz sand recommended on primer for better adhesion and extending the maximum waiting time prior to the polyurea coating.

■ Consumption

0.3-0.5 kg/m² (depending on application conditions)

■ Application tools

Steel trowel, floor squeegee, roller

■ Points of attention

- Avoid application on wet or frozen substrates.
- Make sure the substrate is strong enough for the application. Compressive strength of concrete should be at least 25 N/mm² and pull-off strength should be at least 1.5 N/mm².
- Avoid application below +10°C.
- High temperatures decrease curing time whereas low temperatures increase curing time, consumption increases in low temperatures.
- Beware the mixing ratio.
- Substrates should be protected from moisture and rain for 4-6 hours after the application.
- All tools used should be cleaned with thinner right after the application before drying.

■ Technical specifications

PRODUCT	weber.prim 500 P
Chemical structure	Two components epoxy resin
Density (A+B)	1.10 g/cm ³
Appearance/Colour	Transparent liquid
Open time	2-3 hours (23°C and 50% rh)
Open to traffic	18-24 hours (23°C and 50% rh)
Full curing	4 days (23°C and %50 rh)
Consumption	0.3-0.5 kg/m ²
Hardness (Shore A)	90±5
Pull-off strength (concrete)	2.0±0.3 N/mm ²
Application temperature	Between +10°C and +35°C

■ Storage

Packaging	15 kg set A Component: 10 kg metal bucket B Component: 5 kg metal bucket
Colour	Transparent
Shelf Life	<ul style="list-style-type: none">• 1 year from date of manufacture when stored unopened and undamaged, between +5°C and +30°C, in a dry, moisture-free environment.• Packages should be kept tightly closed when not in use.• Packages should be protected against frost.

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses, protective clothes).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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