weber.prim 500 HBF

Epoxy based, solvent-free, humid-tolerant substrate preparation primer

Technical Data Sheet
Issued On: 01.11.2019
Revision No: 000

Description

Epoxy based, two component, low viscosity, solvent-free, humid-tolerant substrate preparation primer.

Advantages

- Perfect penetration and adhesion on humid substrates
- Creating barrier against moisture and vapour
- Closes gaps and pores
- Easy application and spread with low viscosity
- Perfect resistance against water, frost and severe weather conditions
- Suitable for interior and exterior use

Application areas

Used as moisture and vapour blocking primer prior to polyurea, polyurethane and epoxy based waterproofing applications and various floor coverings on damp concrete substrates and preventing osmosis bubbles caused by the pressure from the negative side.

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 dirts 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 crambling 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 weathers conditions.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

Consumption

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

Application

- A and B components of **weber.prim 500 HBF** should be mixed using a low speed mixer, paying attention to mixing ratio, to a homogenous consistency for about 3-4 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.
- Scatter quartz sand and completely cover the we
- Completely cover the wet primer surface by scattering quartz sand (0,5-1,0 or 0,7-1,2 mm Ø). After fully curing, before the application of top coat on primer, nonadhered quartz sand should be sweeped.
- 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.

Application tools

Steel trowel, floor squeegee, roller

Points of attention

- Avoid application on wet or frozen subtrates.
- 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 HBF**
Chemical structure	Two components epoxy resin
Density (A+B)	1,32 g/cm³
Appearance/Colour	Transparent liquid
Open time	2 hours (23°C and %50 rh)
Open to traffic	12-18 hours (23°C and %50 rh)
Full curing	7 days (23°C and %50 rh)
Min. curing temperature	+8°C
Consumption	0,3-0,5 kg/m²
Hardness (Shore A)	98
Pull-off strength (concrete)	2,5N/mm²
Application temperature	Between +8°C and +35°C

Storage

Packaging	20 kg set A Component: 15 kg metal bucket B Component: 5 kg metal bucket
Colour	Transparent
Shelf Life	• 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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