

weberprim EP 2K

Water based epoxy primer

Teknik Bilgi Föyü
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■ Description

Water based, transparent, rigid, double component epoxy primer.

■ Advantages

- High adherence on absorbent and non-absorbent substrates
- Perfect preparation prior to polyurethane waterproofing and sealant applications on damp substrates
- Consistency can be adjusted by diluting with water
- Resistant to chemicals

■ Application areas

Used as high performance primer on non-absorbent and absorbent substrates prior to polyurethane waterproofing and sealant applications in general. Also, used as primer prior to polyurethane waterproofing and sealant applications on damp concrete substrates.

■ Application substrates

Interior floors;

- Glass,
- Metal,
- Old tiles,
- Bitumen,
- Acrylic coatings,
- Cement based glossy substrates,
- Cement based screeds, renders, concrete,
- Wooden substrates,

Please consult us for all other application substrates.

■ Preparation of substrates

- The substrate should be clean, dry, smooth and sound.
- Any obstacles that prevent the primer adherence should be removed using mechanical methods.
- Uneven surfaces should be levelled using weber.rep repair mortars.
- Low adherence substrates should be checked with hammer. Weak sections should be removed from the substrate.

■ Application conditions

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

■ Application

- Components A and B should be mixed according to the given mixing ratios, mixed for 3-4 minutes to a homogenous state using a low-speed mixer.
- After this process, an average of 20% clean water may be added to the mixture to adjust consistency.
- **weber.prim EP 2K** should be applied as single or double coat on the entire substrate using roller or brush. Polyurethane waterproofing material or polyurethane sealant application should start 6-10 hours later when the primer is still tacky.

■ Application tools

Brush, roller, mixer

■ Consumption

100-200 g/m² (single or double coat)

■ Points of attention

- Humidity of the application substrate should not exceed 7%.
- For an ideal application, compressive strength of the substrate should be minimum 25 Mpa and adherence strength should be minimum 1.5 Mpa.
- Ensure no unmixed material left at the bottom edges of the bucket while mixing the product.
- **weber.prim EP 2K** should be applied in two coats on light concrete and similar cement based substrates which have fragile and very absorbent surface.
- The product should be kept away from fire sources and should not be approached with cigarette.
- Use gloves and glasses during the application, avoid eye and skin contact. In case of contact with eyes and skin, rinse immediately with plenty of clean water and seek medical attention.
- Make sure the application area has sufficient air flow.

■ Technical specifications

PRODUCT	weberprim EP 2K
Product structure	Epoxy
Colour	Transparent
Mixing rate	A component (epoxy resin): 3 units B component (hardener): 1 unit
Pot life	45 minutes
Applicable layers	1-2 layers
Time required for final coat	6-10 hours 24 hours maximum
Full curing time	7 days
Service temperature	Between -30°C and +90°C
Viscosity (Brookfield, 5 spd, 30 rpm)	A Comp.: 7000-8000 cp B Comp.: 650-750 cp A+B Mix: 9000-10000 cp
Hardness (Shore D)	>30 (ASTM D 2240)
Adherence	On metal: >1.5 N/mm ² (ASTM D 903) Up to 6% humid concrete: >1.5 N/mm ² (ASTM D 903)

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- 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.

■ Storage

Packaging	4 kg metal bucket (3+1 kg) 20 kg metal bucket (15+5 kg)
Colour	Transparent
Shelf life	<ul style="list-style-type: none">• 12 months from date of manufacture when stored away from direct sunlight, in a dry and cool environment.• Storage temperature should be between +5°C and +30°C.• Packages should be kept tightly closed when not in use.• Packages should be protected against frost.

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

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