

**EPOXY SEALER EPR-31P**

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**Product:****Epoxy sealer EPR-31P** is a 2 component epoxy based sealer.**Technical data:**

Base	2-component epoxy
Curing system	Chemical curing
<b>A-component</b> Consistency Colour Specific gravity (DIN 53479) Brookfield viscosity (mPa.s)	Liquid Pale yellow Approx. 1.13 g/cm <sup>3</sup> Approx. 800
<b>B-component</b> Consistency Colour Specific gravity (DIN 53479)	Liquid Yellow Approx. 0.96 g/cm <sup>3</sup>
<b>Mixture</b> Ratio Consistency Colour Specific gravity (g/cm <sup>3</sup> )	A:B = 71:29 Liquid Yellow/transparent Approx. 1.1 g/cm <sup>3</sup>
Pot-life at 21°C and 50% RH	Approx. 30 minutes
Set to load bearing Complete curing	Approx. 12 hours Approx. 7 days
Compression strength	ca. 60 N/mm <sup>2</sup>
Temperature resistance	-20°C to +60°C (fully cured)
Solid content	100% (solventfree)
Consumption	depending on the subfloor 400 – 500 g/m <sup>2</sup>

\* This varies according to ambient conditions such as temperature, humidity, substrate etc.

**Characteristics:**

- Suppresses residual construction moisture and rising damp
- Solvent-free and free of water
- EC-1R label: very low emissions
- Very easy to apply
- For critical subfloors
- Waterproof and chemical resistant
- High bending-, shear-, compression- and tensile strength
- Improves the adhesion strength
- Suitable for underfloor heating
- For indoor and outdoor use

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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**Applications:**

**Epoxy Sealer EPR-31P** is a solvent, and water-free two-component epoxy based sealer. **EPR-31P** suppresses rising damp and residual construction moisture (max. 7% for concrete subfloors and max. 5% for Anhydrite subfloors). Extremely suitable for preliminary treatment of sandy or powdery (highly-) absorbing mineral subfloors such as cement bounded subfloors, concrete, calcium-sulphate bounded (anhydrite)- and levelled subfloors. Also suitable on wooden subfloors, particle size- and chipboard, terrazzo, ceramic tiles and metal.

**Epoxy Sealer EPR-31P** is also suitable for preliminary treatment of sandy or powdery (highly-) absorbing mineral subfloors in conjunction with **Soudal VE-50**.

**Description:**

**Epoxy Sealer EPR-31P** cures by means of a chemical reaction. Fully cured (approx. 24 h at 21°C and 50% RH) a hard-elastic and non-shrinkable film is formed, which suppresses residual construction moisture and rising damp. The sealer has excellent adhesion properties to most common substrates used in the construction industry.

**Subfloors:**

**Epoxy Sealer EPR-31P** will normally be applied on subfloors with rising damp or residual construction moisture containing concrete floors.

The subfloor should be even, dry, clean, smooth and free from irregularities and cracks. Old adhesive remains may adversely affect the adhesion and must be removed mechanically.

Calcium-sulphate bounded (anhydrite) subfloors have to be sanded and vacuum cleaned before applying the sealer.

**Shelf life:**

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.

**Applying the sealer:**

**Epoxy Sealer EPR-31P** should be acclimatised to room temperature before installation. Punch repeatedly through the plastic plug and base of the upper container which contains component B e.g. with a long screwdriver. Allow the B component to drain fully into Component A and mix the components for at least 2 minutes. Use a variable speed electric drill with a mixing paddle attachment. Ensure thorough mixing including the walls and floor of the container to achieve a homogeneous mixture.

Always mix one package at the time (A-component + B-component).

**Never deviate from the prescribed mixing ratio between A- and B-component.**

Every deviation of this mixture ratio will affect the curing of the sealer and the final mechanical properties.

**Epoxy Sealer EPR-31P** must be applied within 30 minutes after mixing.

Apply the primer, undiluted from a bucket, to the subfloor by means of a paint roller or a brush. Do not pour the primer onto the subfloor to prevent puddles.

In case of very porous and highly absorbing subfloors with rising dampness a second layer of sealer is recommended. Apply the second layer of sealer crosswise after the first layer has dried completely. Throw in quartz sand immediately after applying the second layer (approx. 2k/m<sup>2</sup>, granule size 0,3 – 0,7 mm). Allow the epoxy sealer to dry completely prior to further activities to the subfloor. Not allowing for proper drying adversely affects the final result. Crater formation (in conjunction with **Soudal Screed**) and/or reduced adhesion might be the consequence.

Uncured **Epoxy Sealer EPR-31P** may be removed from tools with SOUDAL Adhesive cleaner. Cured adhesive must be removed mechanically

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**Recommendations:**

- Do not apply the sealer at temperatures below 15°C or above 25°C.
- Minimum temperature of the subfloor should be at least 15°C.
- Apply the sealer within 30 minutes after mixing both components. Do not apply sealer once viscosity has started increasing in container

**Health and safety recommendations:**

Apply the usual industrial hygiene precautions.  
Wear protective gloves.  
Consult the label for more information Do not dilute the primer.

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