

# Seire

---

## **SEIREPOX IMPRIMACIÓN**

### **Solvent-free, two-component epoxy resin**

---

Very good adhesion on mineral substrates.

Primer and hardener.

Fills cracks in concrete flooring.

Adheres to continuous polymeric flooring.

Solvent-free (100% solids).

Easy application.

Can be mixed and/or dusted with sand.

For indoor and outdoor use.



**SEIRE PRODUCTS, S.L.**  
P.I. Albolleque, Sector III  
C/Los Muchos, 34-36  
19160 - Chiloeches (Guadalajara)  
T. 34 902 124 411  
F. 34 902 124 414  
[seire@seire.net](mailto:seire@seire.net)

# SEIREPOX IMPRIMACIÓN

## Solvent-free, two-component epoxy resin

### Product description:

SEIREPOX IMPRIMACIÓN is a fluid, two-component epoxy resin: it is solvent-free with excellent wetting properties for use as a surface hardener, filler and as a primer with SEIRE epoxy and polyurethane paints.

After hardening, SEIREPOX IMPRIMACIÓN is resistant to the passage of water, chemicals, frost and weathering.

### Applications:

- Sealant and hardener of concrete and mortar flooring.
- Filling cracks and cut joints.
- Primer for epoxy and polyurethane products on concrete or mortar substrates.
- For indoor and outdoor use.

### Substrate Preparation:

Ensure substrate is hard, dry, solid and free of laitance, grease, dust or other loose particles such as paint, release agents, lime residues, mortar, plaster, adhesive residues, etc., which may impair adhesion to the substrate.

Remove all traces of varnish, waxes, fats, oils and similar contaminants prior to mechanical preparation.

Prepare substrate using specialist machinery; sanding, milling or diamond tools depending on the state of the substrate. Vacuum the substrate.

Properly treat and seal all joints or gaps in the concrete substrate where differential movement is expected (for example expansion joints).

In the case of new concrete, wait at least 28 days following installation before applying SEIREPOX IMPRIMACIÓN. In summer and in warmer zones this waiting period can be reduced, but always ensure that substrate moisture content is less than 4% before application.

### Mixture:

The individual components of SEIREPOX IMPRIMACIÓN should be shaken before mixing.

Thoroughly mix the two components with a mixer at low speed for a minimum of 3 minutes.

Part of the mixture can be reintroduced into the hardener container to gather up residues remaining in the container. The mixture which has been reintroduced into the hardener container can be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts, facilitating subsequent management of residues.

After the two components are mixed, 1kg of SEIREPOX IMPRIMACIÓN will remain workable for 30 minutes at temperatures between 18°C and 20°C.

### Recommendations:

After mixing the two components of SEIREPOX IMPRIMACIÓN, use immediately. Towards the end of the mixture's useful life and due to its high level of reactivity, the mixture will heat up, resulting in a sharp decline in its Pot-Life. The heat increases in proportion to the amount of resin remaining in the container.

In these cases (high temperature) do not touch the drum. In case of fumes, cover with the lid, but do not close, and, using the handle, place somewhere cool and well ventilated or somewhere outdoors to prevent the accumulation of gases.

Where surfaces are very porous and to ensure sufficiently effective bonding, more than one layer of SEIREPOX IMPRIMACIÓN may be required to achieve uniform priming which is free from pores and dry areas and which compensates for differences in absorption between different areas of the substrate.

The second layer should be applied as soon as the first is sufficiently cured. The curing time varies depending on ambient and surface temperature.

Note that higher temperatures shorten time of use and lower temperatures lengthen it.

### Limitations:

Do not use SEIREPOX IMPRIMACIÓN where ambient and/or substrate temperatures are less than 10°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

### Method of application:

#### 1. As a hardener for concrete floors:

Apply SEIREPOX IMPRIMACIÓN generously on the substrate using a rubber squeegee. To level and finish use a thread or short/medium nap roller. A single application will be sufficient. If necessary, on very absorbent and porous substrates, apply a second layer 12 to 24 hours after application of the first.

#### 2. Acting as filler of cracks and cut joints:

Makes holes at a depth of 2/3 the slab's thickness, separated by a distance of 10 cm and with a minimum diameter of 12 mm. Make a cut with a circular saw perpendicular to the direction of the crack and, if necessary, reinforce with metal staples.

Before filling with SEIREPOX IMPRIMACIÓN, vacuum and blow the cracks, holes and cuts to remove all dust and dirt.

Non-continuous hairline cracks can be closed with SEIREPOX IMPRIMACIÓN without using the product as a filler. Generally, SEIREPOX IMPRIMACIÓN can be mixed with fine silica sand.

In the case of cracks which are 5mm wide, an approximate mixture ratio is recommended (by weight) of 1 part SEIREPOX IMPRIMACIÓN to 0.5 parts of 0.4mm sand filler. For wider cracks, use a higher dosage of filler.

#### 3. As a primer for epoxy and polyurethane products:

Apply SEIREPOX PRIMER by brush or short/medium nap roller. The primer must be completely dry to the touch, with at least 16 hours elapsing at 20°C before finishing layers are applied. Never wait more than 48 hours at 20°C - otherwise, it will need to be sanded and re-primed.

When dry resin mortars are applied, the primer must be fresh.

In multilayer systems the primer should be dusted with sand.

### Consumption:

The approximate consumption of SEIREPOX IMPRIMACIÓN is 200-300 g/m<sup>2</sup> depending on the porosity of the substrate.

### Tool cleaning:

SEIREPOX IMPRIMACIÓN can be cleaned from tools and equipment immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

### Residues/spillages:

Any spillage from any of the products must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

See product safety sheet for further information.

### Storage:

SEIREPOX IMPRIMACIÓN can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between 5°C and 30°C. Keep away from frost, direct sunlight and sources of heat.

# SEIREPOX IMPRIMACIÓN

## Solvent-free, two-component epoxy resin

### Precautions:

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if ingested.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and consult a doctor.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product.

If applying indoors, ensure that the site is well ventilated. For further information see the product safety sheet. After drying, the product is physiologically and ecologically neutral.

### Technical data

*(based on tests conducted in our laboratory according to current regulations)*

<b>Mixing ratio:</b>	As indicated on packaging.
<b>Density:</b>	Approx. 1.1 kg/l
<b>Yield:</b>	For surface application, depends on substrate porosity. Approx. 300g/m <sup>2</sup> / layer
<b>Workability time (20°C):</b>	Approx. 30 minutes
<b>Total cure:</b>	7 days
<b>Resistances:</b>	Mechanical strength after 24 hours. Chemical resistance after approx 7 days.
<b>Walkable:</b>	After 24 h. approx.
<b>Packaging:</b>	Kits of 10kg and 20kg net
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.



SEIRE PRODUCTS SL.  
C/ Los Muchos P.I. Albolleque Sector III  
19160 Chiloeches- Guadalajara

11

8001448  
EN 13813-2002  
SEIREPOX IMPRIMACIÓN  
Synthetic Flooring Resin  
EN 13813:SR -B2.0

<b>Compressive Strength:</b>	PND
<b>Flexural strength:</b>	≥ 20 N/mm <sup>2</sup>
<b>Abrasion Resistance (Böhme):</b>	PND
<b>Adhesion:</b>	PND
<b>pH:</b>	PND
<b>Reaction to fire:</b>	Ffl

*Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience.*

*We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.*

Edition: June 2014

