

# Seire

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## SEIREPOX 103

### Epoxy primer

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Primer and base layer for continuous polymeric flooring

Solvent-free

Grey colour

Excellent workability

Easy to apply

Excellent adhesion on mineral substrates

Can be mixed and/or sprinkled with sand

Preparation of filled and dry mortars

Indoor and outdoor use



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# SEIREPOX 103

## Epoxy primer

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### Product description:

SEIREPOX 103 is an epoxy material, gray, fluid, solvent-free and with excellent wetting properties to be used as a primer, base layer, medium layer and regularization layer. It can be used pure or mixed with aggregate to prepare filled mortars. It also supports sprinkling of aggregate.

After curing, SEIREPOX 103 is resistant to the passage of water, chemicals, frost and weathering.

### Applications:

Primer and base layer for epoxy and polyurethane paints and coatings on dry concrete or mortar substrates.

Regularization and repair of bumpy and irregular concrete and mortar substrates.

Applicable in warehouses, car parks, hangars, industrial floors, workshops, production and processing areas, soft drink and bottling factories, breweries, kitchens, etc

Manufacture of loaded mortars and dry mortars.

Indoor and outdoor use.

### Substrate Preparation:

The substrate must have a tensile strength of more than 1.5 N/mm<sup>2</sup>, must be dry (residual humidity less than 4%), hard, sound and free of laitance, grease, oils, waxes, dust or other loose particles such as paint, release agents, limescale, mortar, plaster, adhesive residues, etc., which may impair adhesion to the substrate.

Prepare the substrate using specialist machinery - sanding, milling shot blasting 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 103. 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:

Stir the liquid components of SEIREPOX 103 before mixing.

Pour the contents of component B into the container of component A and mix the two components thoroughly with a stirrer at low revolutions for a minimum of 3 minutes.

Part of the mixture can be put back into the container of component B to gather up residues remaining in the container. The mixture which has been put back into the container of component B can then 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.

### It is not advisable to carry out partial mixtures by volume.

After mixing both components, 1Kg of SEIREPOX 103, will remain workable for 30 minutes at temperatures between 18°C and 20°C.

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

### Recommendations:

After mixing the two components of SEIREPOX 103 use immediately. Towards the end of the mixture's useful life and because of its strong reactivity, it will heat up causing 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 accumulation of gases.

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

For the priming of small surfaces with SEIREPOX 103 it is recommended to make partial mixtures by weight (respecting the mixing ratio described in the containers) and / or transfer the contents of the kit once mixed to several canisters of lower volume to avoid, as far as possible, the autocatalyzation of the reaction by the released heat.

Where surfaces are very porous and to ensure sufficiently effective bonding and absence of air bubbles, more than one layer of SEIREPOX 103 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 will be applied as soon as the first layer is sufficiently cured. This curing time varies according to the ambient and surface temperature.

### Limitations:

Do not use SEIREPOX 103 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%.

Because of the epoxy nature of the material, applications might yellow when exposed to UV light.

### Method of application:

The product can be applied pure or preparing a mortar with siliceous aggregate, depending mainly on the thickness to be regularized. The mixing ratio of the mortar and the grain size distribution of the aggregate used depend on the thickness to be regularized. For the manufacture of slightly leveling fluid application mortars, a 1:0.5 ratio with SEIRECUARZO 0.4 is recommended. Higher ratios in aggregate are pasty/dry and require special means of application. This mortar requires a final sealing layer.

Apply SEIREPOX 103 (pure or as a mortar) generously on the support with the help of a rubber squeegee or trowel and complete the application with a medium nap roller to remove blemishes.

In multilayer systems, the primer must be mixed and sprinkled with SEIRECUARZO 0.4 and 0.6 respectively.

Once dry, the unbound aggregate is swept, the surface is sanded, and the dust is vacuumed before proceeding to the application of the final coating.

Do not add solvent or thinners at any stage.

The primer should be completely touch dry, waiting a minimum of 18 hours at 20°C before the application of the top layers.

Never wait longer than 48 hours at 20°C. Otherwise, it will be essential to sand and re-prime.

When applying dry resin mortars, the primer should be fresh.

### Consumption:

Pure: Approx. 200-300 g/m<sup>2</sup> depending on the porosity of the substrate.

### Cleaning of tools and equipment:

SEIREPOX 103 can be cleaned immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

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### Residues/spillages:

Any spillage from any of the components 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 103 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.

### Precautions:

Hazardous to health if swallowed.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact, rinse immediately with plenty of clean water and seek medical attention.

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. Once dry, the product is physiologically and ecologically neutral.

For more information see product safety sheet.

### Technical data

*(from tests carried out in our laboratory according to current regulations)*

<b>Mixing ratio:</b>	As indicated on packaging
<b>Density:</b>	Approx. 1.25 kg/L
<b>Consumption:</b>	Approx. 200-300 g/m <sup>2</sup>
<b>Time of workability (20°C):</b>	Approx. 30 minutes
<b>Recoatable (20°C):</b>	18 hours
<b>Packaging:</b>	Kit of 25kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened container



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**8005962**  
**EN 13813-2002**  
**SEIREPOX 103**  
Synthetic Resin for Flooring  
EN 13813:SR-B2.0

<b>Emission of corrosive substances</b>	SR
<b>Tensile adhesion strength</b>	B 2.0

*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. This data sheet remains valid until a new edition is issued.*

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