

# Seire

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## SEIREPOX TOP PLUS M

**100% solids clear binder**

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Solvent free

Easy application

Shrinkage-free curing

Excellent workability

Use as primer, intermediate layer or mortar

Can be mixed and/or dusted with sand

High mechanical and chemical resistance

Excellent adhesion

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  
[seire@seire.net](mailto:seire@seire.net)

# SEIREPOX TOP PLUS M

## 100% solids clear binder

### Product description:

SEIREPOX TOP PLUS M is a clear, solvent-free epoxy resin, with multiple uses: primer, intermediate layer and mortar binder. Upon curing, SEIREPOX TOP PLUS M is resistant to the passage of water, chemicals, frost and weathering.

### Applications:

- Primer on dry substrates for multilayer flooring and mortars
- Intermediate layers in multilayer systems
- Synthetic mortars
- Applicable in warehouses, parking garages, hangars, industrial floors, workshops, production and processing areas, soft drink and bottling plants, breweries, kitchens, etc
- Indoor and outdoor use.

### Substrate Preparation:

The substrate must have a tensile strength greater than 1.5 N/mm<sup>2</sup>.

Ensure that the substrate is even, dry (maximum 4% moisture), hard, solid and free of laitance, grease, waxes, fats, oils, dust or other loose particles such as paint, release agents, traces of lime, mortar, plaster, adhesive residues, etc., that may impair adhesion.

Prepare substrate using specialised machinery; sanding, diamond or blasting 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 (e.g. expansion joints).

### Primer:

Prime the substrate using SEIREPOX TOP PLUS M or prime the substrate using the primer in our portfolio best fitting substrate and application conditions.

Do not allow the primer to dry for any longer than indicated in its technical sheet - otherwise, it will need to be sanded and re-primed.

### Mixture:

Stir the individual components of SEIREPOX TOP PLUS M 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 the two components have been mixed, 1kg of SEIREPOX TOP PLUS M will remain workable for 30 minutes at temperatures between 18°C and 20°C.

If the pot life is exceeded the mixed product loses its characteristics and should be discarded.

### Recommendations:

After mixing the two components of SEIREPOX TOP PLUS M, 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 PotLife. 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.

Note that time of use is shortened by higher temperatures and lengthened by lower temperatures.

### Limitations:

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

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

Due to its initial colour and tendency to yellowing, use is not recommended for mortars with coloured aggregates and for transparent seals.

### Method of application:

#### Primer:

After mixing components A and B of SEIREPOX TOP PLUS M, apply directly to the prepared substrate using squeegee or medium nap roller.

When necessary, application may be by Airless at 200 bar pressure with a 417 nozzle and a 50-mesh filter.

Can be dusted with sand.

#### Intermediate layer:

The primer must be mixed with SEIRECUARZO 0.4 (ratio 1:0.4) and applied with flat trowel to be later dusted to saturation with SEIRECUARZO 0.6

Before applying the next layer, sweep the sand-covered surface and vacuum to remove unbound aggregate.

The primer must be completely dry to the touch. Wait a minimum of 16 hours at 20°C before applying upper layers.

Do not exceed 36 hours at 20°C. Otherwise, it will need to be sanded and re-primed.

#### Mortar:

Once mixed with SEIRECUARZO 0.8 at a 1:6 ratio, spread the mortar across the floor without delay using a rake and a straightedge resting on two guides to achieve the desired thickness; always apply a minimum of 4mm.

Then compact and smooth with smoothing machine or metal trowel for epoxy. To make this operation easier, clean the trowel at intervals with solvent.

The primer must still be fresh when mortar made with SEIREPOX TOP PLUS M is applied - otherwise, it will need to be sanded and re-primed.

Mortar can be sealed, before 24 hours curing, with an epoxy or polyurethane based paint.

Do not add any solvent or thinner.

### Approximate consumption:

As primer	0.3 Kg/m <sup>2</sup>
As Mortar 1: 6	2.0 Kg/m <sup>2</sup> /mm
As Multilayer 1:0.5	0.5 - 0.6 kg/m <sup>2</sup> per layer

### Cleaning of tools and equipment

SEIREPOX TOP PLUS M can be cleaned immediately after use with 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 component 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.

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### Storage:

SEIREPOX TOP PLUS M 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 icy conditions, direct sunlight and sources of heat.

### 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 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.

After drying, the product is physiologically and ecologically neutral.

For further information see the product safety sheet.

### 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. 1.1kg/L
<b>Consumption:</b>	See specific paragraph on TDS
<b>Workability time (20° C):</b>	Approx. 30 minutes
<b>Recoatable (20°C):</b>	16 hours
<b>Chemical resistance:</b>	7 days
<b>Flexural strength (UNE EN 196-1):</b>	Mortar 1: 1 with 0.4mm sand >20N/mm <sup>2</sup>
<b>Compressive strength (UNE EN 196-1):</b>	Mortar 1:1 with 0.4mm sand Approx. 65N/mm <sup>2</sup>
<b>Packaging:</b>	Kits of 25kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging

	
<b>SEIRE PRODUCTS SL.</b> C/ Los Muchos P.I. Albolleque Sector III 19160 Chiloeches- Guadalajara España 20	
<b>8005401</b> <b>EN 13813-2002</b> <b>SEIREPOX TOP PLUS M</b> Synthetic Flooring Resin 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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