

Seire

SEIREPOX TOP PLUS

Multi-purpose transparent resin, 100% solids

Solvent-free.

Easy application.

Cures without shrinkage.

Excellent workability.

Applicable as a primer, mortar and multilayer.

Can be mixed and/or dusted with sand.

High mechanical and chemical resistance.

Excellent adhesion.

Easy to clean.

For indoor and outdoor use.



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SEIREPOX TOP PLUS

Multi-purpose transparent resin, 100% solids

Product description:

SEIREPOX TOP PLUS is a transparent, solvent-free epoxy resin, with multiple uses: primer, mortar binder, undercoat, middle coat, regularising layer and sealing layer in multilayer coatings with quartz sand or coloured aggregate.

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

For applications where resistance to UV light is important, add SEIREPOX TOP COAT FUV.

Applications:

- Primer on dry substrates for multilayer flooring and mortars
- Multilayer Flooring
- Decorative flooring with colour aggregate
- Flooring with Compact technique
- 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:

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

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

Prepare substrate using specialist 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 (for example expansion joints).

The substrate must have a tensile strength greater than 1.5 N/mm².

Primer:

Prime the substrate using SEIREPOX TOP PLUS or a primer from our range as best suits the 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.

For multilayer systems, primer can be mixed with 0.4mm aggregate at a ratio of 1:0.3-0.5; apply with a smooth trowel or rubber squeegee and then flatten out with a roller. This primer should be dusted with 0.6mm aggregate or SEIRECUARZO COLOR until saturation.

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

Mixture:

Stir the individual components of SEIREPOX TOP PLUS 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 TOP PLUS will remain workable for 35 minutes at temperatures between 18°C and 20°C.

Recommendations:

After mixing the two components of SEIREPOX TOP PLUS, 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 higher temperatures shorten time of use and lower temperatures lengthen it.

Limitations:

Do not use SEIREPOX TOP PLUS 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 PotLife is exceeded, the mixed product loses its characteristics and should be disposed of.

To provide resistance against UV rays and prevent yellowing, add SEIREPOX TOP COAT FUV, following the steps and dosing recommended in the technical sheet.

Method of application:

Primer:

After mixing components A and B of SEIREPOX TOP PLUS, apply directly to the prepared substrate using a rubber squeegee or medium nap roller. The primer can be mixed and/or dusted with aggregate.

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 reprime.

Multilayer:

Once mixed, spread SEIREPOX TOP PLUS without delay over the primed floor using a rubber squeegee, and finish off the application (to remove blemishes) with a medium nap roller. If 0.3-0.4 mm quartz sand is added to the mixture, use a ratio of SEIREPOX TOP PLUS to quartz sand of 1:0.3-0.4.

While the layer of SEIREPOX TOP PLUS is still wet, sand with SEIRECUARZO COLOR until saturated. On the following day, sweep the sand-covered surface and vacuum to remove unbound aggregate.

This operation can be repeated as required until the desired thickness is achieved.

The finishing coat of SEIREPOX TOP PLUS, applied by rubber squeegee or medium nap roller, seals the surface and encapsulates the aggregate.

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Mortar:

Once mixed with 0.8mm quartz sand at a 1:6 ratio, spread SEIREPOX TOP PLUS 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 epoxy smoothing machine or metal trowel. 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 is applied - otherwise, it will need to be sanded and re-primed.

The mortar may be sealed, before 24 hours of drying, with SEIREPOX TOP PLUS or with an epoxy or polyurethane paint.

Do not add solvent or thinners at any stage.

Approximate consumption:

SEIREPOX TOP PLUS

As Primer 0.3 Kg/m²

As mortar 1:6 2.0 Kg/m²/mm

As Multilayer 0.5-0.6 Kg/m² per layer

Tool cleaning:

SEIREPOX TOP PLUS 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 TOP PLUS 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. 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)

Mixing ratio:	As indicated on packaging.
Density:	Approx. 1.1kg/L
Yield:	For surface application, depends on substrate porosity. Approx. 300 g/m ² /coat For filling cracks and joints, yield depends on their width and depth. Approx. 300g/ml
Workability time (20°C):	Approx. 35 minutes
Dry to touch (20°C):	24 hours
Complete cure (20°C):	7 days
Resistances:	Mechanical strength after 24 hours. Chemical resistance after approx 7 days.
Packaging:	Kits of 20kg net
Flexural strength (UNE EN 196-1):	Mortar 1:1 with sand 0,4mm >17N/mm ²
Compressive strength (UNE EN 196-1):	Mortar 1:1 with sand 0,4mm Approx. 55N/mm ²
Storage:	Approx. 12 months in a dry place and in original unopened packaging.



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8001485
EN 13813-2002
SEIREPOX TOP PLUS
Resin for flooring indoors
EN 13813:SR-B2,0-AR0,5-IR14

Corrosive substance emission:	SR
Water permeability:	PND
Abrasion resistance:	AR 0,5
Adhesion:	B 2,0
Impact resistance:	IR 14
Acoustic isolation:	NPD
Acoustic Absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD
Reaction to fire:	Cfl-s1

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. Seire do not takes responsibility for the content of data sheets collected on internet from sites other than the official Seire (www.seire.net).



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