

Seire

SEIREPOX TOP PLUS

Multi-purpose transparent resin, 100% solids

Solvent-free

Easy to apply

Cures without shrinkage

Excellent workability

Applicable as a primer, mortar, multilayer and finish

Can be mixed and/or dusted with sand

High mechanical and chemical resistance

Excellent adhesion

Easy to clean

Very low yellowing

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, very low yellowing, 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 and image systems with vinyl stickers.

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

Applications:

- Primer
- Multilayer Flooring
- Decorative flooring with colour aggregate
- Flooring with Compact technique
- Image systems with vinyl stickers
- 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 of more than 1.5 N/mm², 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:

Prepare the substrate using specialist machinery 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).

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.

Mixture:

Stir the individual components of SEIREPOX TOP PLUS 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 TOP PLUS, will remain workable for 35 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 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 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.

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%.

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

When applied as a top coat for vinyl image systems, the maximum thickness for optimum transparency is 1.4mm.

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 24 hours elapsing at 20°C before finishing layers are applied except when a dry mortar is going to be used on top. In this latter case application is done wet on wet.

Never wait more than 48 hours at 20°C. Otherwise, it will need to be sanded and re-primed.

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

Multilayer:

Mix the primer with SEIRECUARZO 0.4 at a ratio of 1:0.4; apply with a smooth trowel or rubber squeegee and, then flattened out with a roller. This primer layer can be dusted to saturation with SEIRECUARZO 0.6 while still wet.

Once CA and CB are mixed, add SEIRECUARZO 0.4 in a 1:0.4 ratio and spread without delay on the primed substrate using a smooth trowel.

On the still wet layer, sandblast to saturation with SEIRECUARZO 0.6 or SEIRECUARZO COLOR. The next day, the sandblasted surface is swept and vacuumed to remove unadhered aggregate. 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. If necessary, finish off the application (to remove blemishes) with a medium nap roller

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Mortar:

Once mixed with SEIRECUARZO 0.8 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 on top of it - otherwise, it will need to be sanded and re-primed.

The mortar may be sealed, before 24 hours of curing, 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	0.2-0.3 Kg/m ²
As mortar 1:6	2.0 Kg/m ² /mm
As Multilayer 1:0.5	0.5-0.6 Kg/m ² per layer
As Top Coat	
Image system with vinyl stickers	Max. 1.5 Kg/m ²

Cleaning of tools and equipment:

SEIREPOX TOP PLUS 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 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 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.

Consult the safety data sheet for further information.

Technical data

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

Mixing ratio:	As indicated on packaging.
Density:	Approx. 1.1kg/L
Consumption:	See specific paragraph on TDS
Workability time (20°C):	Approx. 35 minutes
Recoat time (20°C):	24 hours
Full cure (20°C):	7 days
Chemical resistance:	After 7 days
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
Packaging:	Kits of 20kg
Storage:	Approx. 12 months in a dry place and in original unopened packaging.



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15

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

Emission of corrosive substances:	SR
Abrasion resistance:	AR 0,5
Tensile adhesion strength:	B 2,0
Impact resistance:	IR 14
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 will not be held responsible for the content of technical data posted on websites other than the official Seire website (www.seire.net)

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ARDEX GROUP