

Seire

SEIREPOX COAT W AB+

Bacteriostatic multipurpose binder

Water based epoxy

Excellent workability

Applicable as primer, self-leveller, multilayer and mortar

Direct anti-slip texture for the paint and self-leveller

Can be mixed and/or dusted with sand

Suitable for moist (and/or without damp proof membrane) substrates

Permeable to water vapour

High mechanical strength

Good chemical resistance

Excellent adhesion

Satin-Matte finish

Very low VOC

Certified by UAB (Universitat Autònoma de Barcelona)



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Product description:

SEIREPOX COAT W AB+ is a very low VOC, water-based, epoxy resin for multiple uses such as primer, anti-slip paint, selflevelling mortar, mortar binder, undercoat, middle coat, regularising layer and sealing layer in multilayer coatings. Coloured, substrate moisture tolerant and offering matte finish.

SEIREPOX COAT W AB+ is the finishing material to be used on surfaces requiring an aesthetic, resistant, watertight, non-absorbent, continuous, joint-free and easy-to-clean finish, which, following the right hygiene practices, will avoid contamination and propagation of bacteria.

SEIREPOX COAT W AB+ is the integrated solution for a higher level of hygiene and protection offering at the same time a long-lasting bacteriostatic effect impairing adhesion, inhibiting growth and avoiding propagation of a wide spectrum of pathogenic microorganisms like:

- Staphylococcus aureus ATCC 6538P
- Escherichia coli ATCC 8739
- Salmonella enteritidis ATCC 700720
- Listeria monocytogenes CECT 5366

proving its efficiency in HACCP and in cross-contamination problems.

Endorsed by test certificate issued by UAB (Universitat Autònoma de Barcelona).

After hardening, SEIREPOX COAT W AB+ is resistant to the passage of water and to chemical agents while being water vapour permeable. It fulfils the high-performance standards for coatings according to HACCP and Work Safety regulations.

Field of application:

- Applicable on damp substrates, green concrete, etc.
- Applicable on substrates that require transpiration, such as basements, floors below the water table, etc.
- Applicable on screeds without vapour barrier
- Coating for pharmaceutical, food and chemical industries.
- Kitchens, workshops, production and processing areas, warehouses
- Health, veterinary and sports facilities
- Locker rooms, shower areas, swimming pool beaches
- Clean rooms
- Indoor use.

Substrate Preparation:

The substrate must have a tensile strength greater than 1.5 N/mm², may be moist (<8%) but not waterlogged. The substrate must be hard, sound, and free of grout, grease, oil, wax, dust and other loose particles such as paint, release agents, traces of lime, mortar, plaster, adhesive residues, etc., that may impair adhesion.

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).

Crack and holes will be repaired using the most appropriate SEIRE material.

Primer:

Prior to applying SEIREPOX COAT W AB+, prime the substrate using the primer in our portfolio best fitting substrate and application conditions.

On absorbent substrates, SEIREPOX COAT W AB+ diluted with max. 20% water, can be used as primer coat.

Do not allow primer to cure longer than indicated in its TDS. Otherwise, it will need to be sanded and reprimed.

Mixture:

Stir the individual components of SEIREPOX COAT W AB+ before mixing.

Pour component B into component A and mix thoroughly with a mixer at low speed for a minimum of 3 minutes.

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

It is not advisable to run partial mixes by volume.

After the two components are mixed, 1kg of SEIREPOX COAT W AB+ will remain workable for 25 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:

An induction time of about 5min (20°C) after mixing both components is advised before using the material.

Due to the aqueous character of the material it does not heat up as it approaches the end of its pot life, which is signalled by a marked increase in viscosity.

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

All SEIRE products are manufactured under strict quality controls and procedures; however, if colour consistency is essential, it is recommended that the products used are taken from the same batch.

Limitations:

Do not use SEIREPOX COAT W AB+ 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:

Primer:

Once components A and B have been mixed, apply directly to the prepared substrate using a rubber squeegee or medium-nap roller. The primer can be diluted with max 20% water and mixed and/or dusted with aggregate.

Anti-slip paint:

Once components A and B have been mixed, apply the material with a medium nap roller. To reach a rougher texture add 0.03 kg of SEIRECUARZO 0.6 per kilo of mixture (3% of aggregate).

For a better ease of application, paint may be diluted with max. 15% water.

Selflevelling:

Once components A and B have been mixed, add 0.7-1 kg of SEIRECUARZO 0.6 per kilo of mixture. Pour the material over the primed substrate and distribute with a notched trowel, to control

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the thickness. Treat immediately with a spiked roller to allow trapped air to escape, until all bubbles have been removed.

Multilayer:

Once mixed with SEIRECUARZO 0.4 at a 1:0.3-0.5 ratio, spread the mix across the floor without delay using a flat trowel. Saturate with SEIRECUARZO 0.6 while still wet. On the following day, sweep the sand-blinded 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 COAT W AB+, applied using a rubber squeegee, seals the surface and encapsulates the aggregate. If necessary, complete the application with a medium nap roller to remove blemishes.

Mortar:

Once mixed with 0.9mm quartz sand at a 1:3 ratio, SEIREPOX COAT W AB+ should be spread 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.

To compact the mortar and smooth the surface, use a metal trowel while cleaning it at intervals with water to make this operation easier.

The mortar may be sealed, before 24h of drying, with SEIREPOX COAT W AB+.

Do not add solvent or diluent at any stage. Dilution is only possible with water and in the forementioned % and situations.

Consumption:

The approx. consumption of SEIREPOX COAT W AB+ is:

As Primer	85 g/m ²
As Anti-slip paint	150 g/m ²
As Self-leveller 1:1	1.7 kg/m ² /mm
As Multilayer	300 g/m ² per layer
As Mortar 1:3	2.0 Kg/m ² /mm

Cleaning:

SEIREPOX COAT W AB+ can be cleaned from tools and equipment with water immediately after use. 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.

Storage:

SEIREPOX COAT W AB+ 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 heat sources.

Precautions:

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

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.

Wear safety goggles and gloves while mixing and during application.

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

See product safety 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. 1.3 kg/L
Consumption:	See paragraph on TDS
Workability time (20°C):	Approx. 25 minutes
Recoatable (20°C):	24 hours
Flexural strength (UNE EN 196-1):	Mortar 1:1 with sand 0,6mm >20N/mm ²
Compressive strength (UNE EN 196-1):	Mortar 1:1 with sand 0,6mm >60N/mm ²
Chemical resistance:	7 days
Packaging:	Kits of 25kg
Storage:	Approx. 12 months in a dry place and in original unopened packaging



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EN 13813
SEIREPOX COAT W AB+
Self levelling resin based flooring mortar
EN 13813:SR-IR14-B2,0-AR 0,5

Emission of corrosive substances:	SR
Impact resistance:	IR14
Abrasion resistance BCA:	AR 0,5
Tensile adhesion strength:	B 2,0
Reaction to fire:	Bfl-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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