



SEIREPOX COAT W

Multipurpose water-based epoxy binder

Excellent workability

Applicable as primer, self-leveller, multilayer and mortar

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

Can be mixed and/or dusted with sand

Suitable for damp substrates and/or without vapour barrier

Permeable to water vapour

High mechanical strength

Good chemical resistance

Excellent adhesion

Satin-matte finish

Very low VOC



SEIRE PRODUCTS, S.L.

P.I. Albolleque, Sector III

C/Los Muchos, 34-36

19160 - Chiloeches (Guadalajara)

T. 34 949 366 953

seire@seire.net

SEIREPOX COAT W

Multipurpose water-based epoxy binder

Product description:

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

After curing, SEIREPOX COAT W is resistant to the passage of water and to chemical agents while being water vapour permeable.

Field of application:

- Applicable on damp substrates, fresh concrete, etc.
- Applicable on substrates that require transpiration, such as basements, floors below the water table, etc.
- Applicable on screeds without vapour barrier
- Applicable on industrial flooring, laboratories, warehouses, parking garages, hangars, workshops, production and processing areas, and generally for premises subject to medium intensity and frequency traffic.
- Indoor use.

Substrate Preparation:

The substrate must have a tensile strength of more than 1.5 N/mm², can be wet (residual humidity less than 8%) but no waterlogged, hard, solid 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.

Substrate preparation must be prepared with specialist machinery; sanding, milling or diamond tools depending on the state of the substrate. Subsequently, a vacuum will be carried out. 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, prime the substrate using the primer in our portfolio best fitting substrate and application conditions.

On absorbent substrates, SEIREPOX COAT W 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 re-primed.

Mixture:

Stir the individual components of SEIREPOX COAT W before mixing.

Pour the content of component B into the container of component A and thoroughly mix the two liquid components with a stirrer 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 introduced into the hardener container 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 are mixed, 1kg of SEIREPOX COAT W will remain workable for 25 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:

Prior to apply the material, an induction time of 5 minutes (20°C) is recommended.

The aqueous character of the material means that it does not heat up as it approaches the end of its pot-life which is signalled by a large increase in viscosity.

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

All SEIRE products are manufactured subject to rigorous quality controls and procedures; however, if strict colour consistency is required, you are advised to use products taken from the same lot.

Limitations:

Do not use SEIREPOX COAT W 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:

After mixing components A and B of SEIREPOX COAT W, apply directly to the prepared substrate using a rubber squeegee or medium-nap roller. The primer can be diluted (20% maximum water) and mixed and/or dusted with aggregate.

Anti-slip paint:

Once components A and B have been mixed, the mixture is applied with a medium-nap roller. If a rough texture is needed, add 0.03 kg of SEIRECUARZO 0.6 per kilo of mixture (about 3% of aggregate).

When necessary to improve the application, the paint can be diluted with a maximum of 15 % water.

Self-levelling:

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 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 the coat of SEIREPOX COAT W while still wet with SEIRECUARZO 0.6. On the following day, sweep the sand-blasted 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, 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 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.

Then compact and smooth with a metal trowel. To make this operation easier, clean the trowel at intervals with water.

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

Ensure proper ventilation during application and curing, especially in confined spaces.

Do not add solvent or diluent at any stage. The dilution is only possible with water at the cases and the specify quantities.

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Consumption:

As Primer	Approx.85 g/m ²
As Anti-slip paint	Approx.150 g/m ² / layer
As Self-leveller 1:1	Approx. 1.7 kg/m ² /mm
As Mortar 1:0.4	400-500 g/m ² layer
As Mortar 1:3	Approx. 2.0 Kg/m ² /mm

Cleaning of tools and equipment:

SEIREPOX COAT W can be cleaned immediately after use using water. If the product cures, 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 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.

Technical data

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

Mixing ratio:	As indicated on packaging.
Density:	Aprox. 1.3 kg/L
Consumption:	See paragraph on TDS
Workability time (20°C):	Aprox. 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:	After approx 7 days
Packaging:	Kits of 25kg net
Storage:	Approx. 12 months in a dry place and in original unopened packaging.



SEIRE PRODUCTS SL.
C/ Los Muchos P.I. Albolleque Sector III
19160 Chiloeches- Guadalajara
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8004651
EN 13813-2002
SEIREPOX COAT W
Self levelling resin flooring
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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