

Seire

SEIREPOX COAT W

Multipurpose water-based epoxy binder

Excellent workability.

Applicable as a primer, self-leveller, multilayer and mortar.

Direct anti-slip texture for the self leveller.

Can be mixed and/or dusted with sand.

Suitable for damp substrates.

Permeable to water vapour.

High mechanical strength.

Good chemical resistance.

Excellent adhesion.

Matte finish.



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Multipurpose water-based epoxy binder

Product description:

SEIREPOX COAT W is a solvent-free, 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.

After hardening, SEIREPOX COAT W is resistant to the passage of water and to chemical agents.

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:

Do not use on substrates that are waterlogged. Always ensure that humidity is less than 8% and that the substrate is level, hard, solid and free of grout, grease, dust or other loose particles release agents such as paint, traces of limescale, mortar, plaster, adhesive residues, etc., which may impair adhesion.

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

Prepare substrate using specialist machinery; sanding, milling 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).

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

Primer:

Prime the substrates with SEIREPOX COAT W.

The primer may be diluted with up to 20% water.

Mixture:

Stir the individual components of SEIREPOX COAT W 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 introduced 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 COAT W will remain workable for 25 minutes at temperatures between 18°C and 20°C.

Recommendations:

After mixing the two components of SEIREPOX COAT W, use immediately.

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.

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%.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

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 mixed and/or dusted with aggregate.

Anti-slip paint:

Once components A and B have been mixed, add 0.03 kg of 0.6 mm quartz sand per kilo of mixture (about 3% of aggregate). The mixture is applied with a medium-nap roller.

Self-levelling:

Once components A and B have been mixed, add 1 kg of 0.6 mm quartz sand 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, spread SEIREPOX COAT W without delay over the primed floor using a rubber squeegee. Saturate the coat of SEIREPOX COAT W while still wet with 0.6mm SEIRECUARZO sand. 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 or medium-nap roller, seals the surface and encapsulates the aggregate.

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.

Do not add solvent or diluent at any stage.

Approximate consumption:

SEIREPOX COAT W

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

Tool cleaning:

SEIREPOX COAT W can be cleaned from tools and equipment immediately after use using water. If the product is allowed to harden, it will have to be removed mechanically.

Residues/spillages:

Any spillage from any product 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.

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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. 1.2 kg/L
Workability time (20°C):	Aprox. 25 minutes
Dry to touch (20°C):	24 hours
Full cure (20°C):	7 days
Packaging:	Kits of 25kg net
Storage:	Aprox. 12 months in a dry place and in original unopened packaging.

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.

Edition: April 2016

