

# Seire

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## SEIREPOX 10W

### Water-based epoxy paint

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Low odour.

Easy application.

Impermeable to liquid water.

Permeable to water vapour.

Hygienic and easy to clean.

For smooth or anti-slip finishes.

Can be dusted with sand.

Medium chemical and mechanical resistance.

For indoor and outdoor use.

Vertical and horizontal application.



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# SEIREPOX 10W

## Water-based epoxy paint

### Product description:

SEIREPOX 10W is a water-based, two-component epoxy paint, with visible end of pot life, which tolerates damp surfaces.

SEIREPOX 10W gives coated surfaces waterproofing, ease of cleaning and medium mechanical and chemical performance, as well as providing for easy maintenance.

Satin finish - gloss

Material free from volatile organic solvents

After hardening, SEIREPOX 10W is waterproof, resistant to chemical agents, frost and weathering, and is water vapour breathable.

### Applications:

- Especially suitable for application on garage flooring, warehouses, light industrial and other surfaces exposed to light vehicle and pedestrian traffic
- Coating for pharmaceutical, food and chemical industries.
- Coating for pipes, channels and tunnels, with poor ventilation.
- Finishing coat for industrial flooring.
- Applicable on damp substrates
- Indoor and outdoor use

### Substrate Preparation:

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

Remove all traces of varnish, waxes, fats, oils and similar contaminants prior to mechanical preparation. Mechanically treat any concrete surfaces which are contaminated, using sanding or diamond tools, and then vacuum.

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/mm<sup>2</sup>.

### Primer:

Prior to applying SEIREPOX 10W, prime the substrate using SEIREPOX 10W in pure form or diluted with 5-10% water, depending on substrate absorption.

Do not allow more than 24 hours (at 20°C) to elapse between coats otherwise, it will need to be sanded and re-primed.

Ensure proper ventilation during application and curing, especially in confined spaces such as tanks, etc.

### Mixture:

Stir the individual components of SEIREPOX 10W 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 10W will remain workable for 40 minutes at temperatures between 18°C and 20°C.

### Recommendations:

After mixing the two components of SEIREPOX 10W, use immediately.

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.

### Limitations:

Do not use SEIREPOX 10W 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.

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 lot.

### Method of application:

#### 1. As Paint

After mixing components A and B, apply directly to the primed substrate using a short nap roller, brush or air-less. Ensure that the entire surface is completely and evenly painted without any ponds.

The second layer should be applied as soon as the first is sufficiently cured. This curing time varies (minimum 15 hours) according to the ambient temperature. The painted area should be kept ventilated.

#### 2. As Multilayer:

A slightly textured finish can be given to enhance slip resistance, by sprinkling with fine quartz aggregate.

Once its components are mixed, apply SEIREPOX 10W directly to the primed substrate using a short nap roller or brush. While still wet sprinkle the layer with 0.4mm quartz aggregate 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 10W, applied by short/medium nap roller, seals the surface and encapsulates the aggregate.

Do not add solvent or thinners at any stage.

### Consumption:

The approximate consumption of SEIREPOX 10W is 0.2 to 0.3kg/m<sup>2</sup> per coat.

### Tool cleaning:

SEIREPOX 10W 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 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 10W 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

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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.

### Technical data

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

<b>Mixing ratio:</b>	As indicated on packaging.
<b>Density:</b>	Approx. 1.3 kg/ l
<b>Yield:</b>	0.2-0.3 kg/m <sup>2</sup> per coat.
<b>Workability time (20°C):</b>	Approx. 40 minutes.
<b>Dry to touch (20°C):</b>	After 6 h. approx.
<b>Full cure (20°C):</b>	7 days.
<b>Packaging:</b>	Kits of 10 kg and 25 kg net (A+B).
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.

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*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.*

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