

Seire

SEIREPOX 10W AB+

Bacteriostatic epoxy paint

Water based

Low odour

Easy application

Impermeable to liquid water

Permeable to water vapour

Hygienic and easy to clean

For smooth or anti-slip finishes

Medium chemical and mechanical resistance

For indoor and outdoor use

Very low yellowing

Vertical and horizontal application

Certified by UAB (Universitat Autònoma de Barcelona)



SEIRE PRODUCTS, S.L.

P.I. Albolleque, Sector III

C/Los Muchos, 34-36

19160 - Chiloeches (Guadalajara)

T. 34 902 124 411

F. 34 902 124 414

seire@seire.net

SEIREPOX 10W AB+

Bacteriostatic epoxy paint

Product description:

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

SEIREPOX 10W 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 10W 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).

Satin-gloss finish, with very low yellowing.

Material free from volatile organic solvents.

After hardening, SEIREPOX 10W AB+ is waterproof, resistant to chemical agents, frost and weathering, water vapour breathable and fulfils the high-performance standards for coatings according to HACCP and Work Safety regulations.

Applications:

- Lining of tunnels with poor ventilation
- 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
- Applicable on damp substrates
- Indoor and outdoor 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 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:

Prior to applying SEIREPOX 10W AB+, prime the substrate using the primer in our portfolio best fitting substrate and application conditions.

SEIREPOX 10W AB+ in pure form or diluted with 5-10% water, depending on substrate absorption, 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 10W 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 10W AB+ will remain workable for 40 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 painting starts.

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.

When applied on surfaces prone to waterlogging, it is advised to use a primer like SEIRE WP PRIMER.

Limitations:

Do not use SEIREPOX 10W 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 slightly when exposed to UV light.

Method of application:

After mixing components A and B, apply directly to the primed substrate using a short nap roller or brush. Whenever necessary, the material can be applied by air-less (200 bar, nozzle 417). 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 according to the ambient temperature.

The painted area should be kept ventilated.

Quartz sand or special aggregates can be mixed in or sprinkled onto the fresh layer in order to provide an anti-slip surface.

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

Do not add solvent or thinners at any stage.

Consumption:

The approximate consumption of SEIREPOX 10W AB+ is 0.2 to 0.3 kg/m² per coat.

Cleaning:

SEIREPOX 10W 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.

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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 10W 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 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.

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:	0.2-0.3 kg/m ² per coat
Workability time (20°C):	Approx. 40 minutes
Recoatable (20°C):	After 16 h. approx.
Chemical resistance:	7 days
Packaging:	Kits of 10 kg and 25 kg
Storage:	Approx. 12 months in a dry place and in original unopened packaging



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C/ Los Muchos P.I. Albolleque Sector III
19160 Chiloeches- Guadalajara
17-18

8005834
EN 13813
SEIREPOX 10W AB+
Synthetic resin for flooring
EN 13813:SRIR14B2,0AR 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:	Bf-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.

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