



SEIREPOX AUTONIVELANTE CONDUCTIVO

Self-levelling epoxy with antistatic properties

High conductivity

Topcoat in AS systems

Solvent-free

100% solids

Easy application

Smooth and coloured finish

Clean and easy to maintain

High chemical and mechanical resistance



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SEIREPOX AUTONIVELANTE CONDUCTIVO

Self-levelling epoxy with antistatic properties

Product description:

SEIREPOX AUTONIVELANTE CONDUCTIVO is the topcoat of the AS system.

A fluid, solvent-free, two-component epoxy binder which, applied as a self-leveller, enables the execution of conductive flooring, with a smooth coloured finish, easy to clean, easy to maintain, waterproof and with high mechanical and chemical performance. The conductive system requires the application of a primer of the type SEIREPOX IMPRIMACION, SEIREPOX IMPRIMACION SNELL, SEIREPOX IMPRIMACION HUMEDAD, etc, to which an earthed copper frame is affixed. The following coat is done with SEIREPOX IMPRIMACION CONDUCTIVO which is finally coated with the coloured layer of SEIREPOX AUTONIVELANTE CONDUCTIVO. Total thickness 2mm.

For details on execution of the complete system refer to the corresponding System Data Sheet.

Applications:

- Operating theatres.
- Laboratories
- Warehouses and areas used to store explosives or flammable products.
- Robotised areas.
- Rooms with highly sensitive electronic or IT equipment.
- Electronic component plants
- Clean rooms

Substrate Preparation:

The substrate must be primed, levelled, have a tensile strength greater 1.5 N/mm², dry (rh<4%) 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 AUTONIVELANTE CONDUCTIVO, prime the substrates with SEIREPOX IMPRIMACION CONDUCTIVO (see corresponding data sheet for the proper procedure to follow).

The film must be completely dry and free of grease, dust or other loose particles that might impair adhesion.

Do not allow the primer to dry for any longer than indicated in its technical sheet, otherwise, it will need to be sanded and re-primed.

Mixture:

Stir the individual components of SEIREPOX AUTONIVELANTE CONDUCTIVO before mixing.

Pour the contents of component B into the container of component A and mix the two components thoroughly with a stirrer at low revolutions for a minimum of 3 minutes.

Part of the mixture can be put back into the container of component B to gather up residues remaining in the container. The mixture which has been put back into the container of component B 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 AUTONIVELANTE CONDUCTIVO remains workable for 35 minutes at a temperature between 18°C and 20°C.

If the pot life is exceeded the mixed product loses its characteristics and should be discarded.

Recommendations:

After mixing the two components of SEIREPOX AUTONIVELANTE CONDUCTIVO, use immediately. Towards the end of the mixture's useful life and due to its high level of reactivity, the mixture will heat up, resulting in a sharp decline in its Pot-Life. The heat increases in proportion to the amount of resin remaining in the container.

In these cases (high temperature) do not touch the drum. In case of fumes, cover with the lid, but do not close, and, using the handle, place somewhere cool or outdoors.

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 batch.

Limitations:

Do not use SEIREPOX AUTONIVELANTE CONDUCTIVO 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:

Once components A and B are mixed, add 300 grams of SEIRECUARZO 0.4 per kilo of mixture. Pour the material over the primed substrate and distribute with a 5x5mm notched trowel, to control the maximum thickness of 1.5mm.

Treat immediately with a spiked roller to allow entrapped air to escape, until all bubbles have been removed, resulting in an even, level surface with uniform colour.

Do not add solvent or thinner at any stage.

Consumption:

Approx. 2.5kg/m² per 1.5mm layer (mortar with SEIRECUARZO 0.4 in 1:0.3 ratio).

Cleaning of tools and equipment:

SEIREPOX AUTONIVELANTE CONDUCTIVO can be cleaned immediately after use with a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

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.

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Storage:

SEIREPOX AUTONIVELANTE CONDUCTIVO 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 frost, direct sunlight and sources of heat.

Precautions:

Causes skin and eye irritation. 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. See product safety sheet for further information. After curing, 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. 1.35kg/L
Consumption:	1:0.3 mixture with SEIRECUARZO 0.4: 2.5kg/m ² per 1.5mm layer
Workability time (20°C):	Approx. 35 minutes
Recoatable (20°C):	1 day
Resistivity (complete system):	10 ⁴ - 10 ⁶ Ω
Chemical resistance:	After approx. 7 days
Flexural strength (UNE EN 196-1):	Mortar 1:1 with SEIRECUARZO 0.4 >33N/mm ²
Compressive strength (UNE EN 196-1):	Mortar 1:1 with SEIRECUARZO 0.4 Approx. 90N/mm ²
Packaging:	Kits of 20 kg
Storage:	Approx. 12 months in a dry place and in original unopened packaging.



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EN 13813
SEIREPOX AUTONIVELANTE CONDUCTIVO
Synthetic resin for flooring
EN 13813:SR-IR14-B2.0-AR 0.5

Emission of corrosive substances	SR
Tensile adhesion strength	B 2.0
Abrasion resistance BCA	AR 0.5
Impact resistance	IR14
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.

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Edition: March 2020

