

Seire

SEIREPOX IMPRIMACIÓN CONDUCTIVO

Highly conductive water-based epoxy primer

Superconducting layer for dissipative and conductive systems.

Water-based.

Odourless.

Easy to apply.

High yield.

Black-coloured.

Use for conductive self-levelling systems and for conductive paint.

Indoor and outdoor use.



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Product description:

SEIREPOX IMPRIMACIÓN CONDUCTIVO is a black, two-component water-based epoxy resin with conductive filler for use as a superconducting layer in the execution of dissipative and conductive flooring.

Applications:

- Superconducting layer for dissipative and conductive flooring requiring anti-static properties:
- Operating theatres.
- Warehouses and storage areas for explosive or flammable products.
- Robotic areas.
- Rooms with highly sensitive electronic or IT equipment.
- Indoor and outdoor use.

Substrate Preparation:

Prime the substrate using SEIREPOX IMPRIMACIÓN or using a primer from our range as best suits the substrate and application conditions. The film must be completely dry and free of grease, dust or other loose particles which might impair adhesion.

Do not let the primer dry for longer than indicated on the corresponding data sheet. If the primer dries out, it will need sanding and re-priming.

Mixture:

Stir the individual components of SEIREPOX IMPRIMACIÓN CONDUCTIVO 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 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 any of the containers reacts, facilitating subsequent management of residues.

After the two components are mixed, 1kg of SEIREPOX IMPRIMACIÓN CONDUCTIVO remains workable for 40 minutes at a temperature between 18°C and 20°C.

Recommendations:

After mixing the two components of SEIREPOX IMPRIMACIÓN CONDUCTIVO, use immediately. Because the material is water-based, it does not heat up as it approaches the end of its pot life, which is signalled by a significant increase in viscosity.

Note that higher temperatures shorten pot-life and lower temperatures lengthen it.

Limitations:

Do not use SEIREPOX IMPRIMACIÓN CONDUCTIVO where ambient and/or substrate temperatures are less than 10°C or less than 3°C above 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:

Apply SEIREPOX IMPRIMACIÓN CONDUCTIVO with a medium nap roller.

In systems with self-adhesive copper tape, make sure there is good contact with the tape but be careful not to damage it.

To ensure that the system functions properly, make sure that application is homogeneous and continuous.

SEIREPOX IMPRIMACIÓN CONDUCTIVO must be completely dry to the touch before applying topcoats - allow at least 16 hours at 20°C. Do not allow more than 48 hours to elapse at 20°C, otherwise it will need to be re-primed.

Conductive self-levelling system:

Requires application of a primer of the type SEIREPOX IMPRIMACIÓN, SEIREPOX IMPRIMACIÓN SNELL, SEIREPOX IMPRIMACIÓN HUMEDAD, etc, to which an earthed copper frame is affixed. Then coat with SEIREPOX IMPRIMACIÓN CONDUCTIVO and finally coat with a coloured layer of SEIREPOX AUTONIVELANTE CONDUCTIVO.

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

Conductive paint system:

Requires application of SEIREPOX R CONDUCTIVO as a conductive paint finish. If high conductivity to ground is required in the flooring system, use the system with SEIREPOX IMPRIMACIÓN CONDUCTIVO superconducting primer and earthed copper frame.

Consumption:

Approximate consumption of SEIREPOX IMPRIMACIÓN CONDUCTIVO is 100 g/m²

Tool cleaning:

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

Residues/spillages:

Remove any spillage from any of the products immediately with sand, vermiculite or other inert material and collect 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 IMPRIMACIÓN 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. Protect from frost, direct sunlight and heat sources.

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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.

See product safety sheet for further information. After drying, 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:	Approx. 1.1 kg/l
Yield:	Approx. 100 g/m ²
Workability time (20°C):	Approx. 60 minutes.
Dry to touch:	About 6h
Walkable:	Approx 12h
Final Resistances:	After approx 7 days.
Resistivity (DIN 51953):	< 100kΩ
Packaging:	10 kg net kits
Storage:	Approx. 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.

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