



ARDEX R 7 E

Highly Conductive Water-Based Epoxy

Super conducting layer for dissipative & conductive systems

Water based

Odourless

Easy application

High yield

Internal or external use

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ARDEX R 7 E

Highly Conductive Water-Based Epoxy Primer

DESCRIPTION

ARDEX R 7 E is a black, two component water-based epoxy resin with conductive filler for use as a super conducting layer in the execution of dissipative and conductive flooring.

USES

- Internal or external applications
- Floors requiring anti-static properties, e.g. operating theatres, warehouses storing explosive or flammable products, robotic areas, rooms with highly sensitive electronic and IT equipment

SURFACE PREPARATION

Prime the substrate using ARDEX R 4 E or ARDEX R 5 E. The film must be completely dry and free of grease, dust or other loose particles which might impair adhesion.

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

MIXING

The individual components of ARDEX R 7 E should be stirred before mixing. Thoroughly mix the two components together 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 remaining residues 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.

After the two components are mixed, use immediately. 1kg of ARDEX R 7 E will remain workable for 40 minutes at a temperature between 18°C and 20°C.

APPLICATION

Apply ARDEX R 7 E 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.

ARDEX R 7 E 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, either ARDEX R 4 E or ARDEX R 5 E, to which an earthed copper frame is affixed. Then coat with ARDEX R 7 E and finally coat with a coloured layer of ARDEX R 77 E. For details on execution of the complete system, refer to the ARDEX Industrial Coatings Systems Brochure.

CONDUCTIVE COATING SYSTEM

Requires application of ARDEX R 27 E as a conductive paint finish. If high conductivity to ground is required in the flooring system, use the system with ARDEX R 7 E super conducting primer and earthed copper frame.

LIMITATIONS

Do not use ARDEX R 7 E where ambient and/or substrate temperatures are less than 10°C or less than 3°C above dew point. Do not use where ambient or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%. If pot life is exceeded the mixed product loses characteristics and should be disposed of.

CLEAN UP

Clean tools and equipment immediately after use with water. Hardened product will need to be removed mechanically.

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

ARDEX R 7 E 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.

COVERAGE

Approx. 100g/m²

PACKAGING

ARDEX R 7 E is available in kits of 10kg.

PRECAUTIONS

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic effects. Toxic to aquatic life with long lasting effects. Wear protective gloves, protective clothing, eye and face protection. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. If irritation or rash persists get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists get medical advice. Dispose of contents/container to hazardous or special waste collection point, in accordance with local regulation. Contains epoxy constituents. May produce an allergic reaction.

Additional information is in the Safety Data Sheet at www.ardex.co.nz

TECHNICAL DATA

Characteristics	Result
Density	Approx. 1.1kg/L
Working time @ 20°C	60 minutes
Resistivity (DIN 51953)	<100kΩ
Recoat time @ 20°C	Approx. 16hrs

Toll Free Technical Services:
1800 224 070 (Australia)
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The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable New Zealand & Australian Standards, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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