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(SUPERSEDES JULY 2019)
PRODUCT DATA SHEET

ARDEX R 6 E

Oil Tolerant Solvent Free Epoxy Primer

Features

- Low odour
- Oil tolerant
- Suitable for use on cementitious floors
- Use with a sand keyed finish

bsi
ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED
ISO 45001 Occupational Health and Safety Management CERTIFIED
Reg No. FM 01207 EMS 565427 OHS 628374

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ARDEX R 6 E

Oil Tolerant Solvent Free Epoxy Primer

DESCRIPTION
ARDEX R 6 E Oil Tolerant Solvent Free Epoxy Primer and Bonding Agent is a two component, solvent free epoxy resin for use on cementitious substrates.

USE
ARDEX R 6 E acts as a primer on oil contaminated internal concrete slabs prior to applying ARDEX Flooring Products such as Screeds, Levelling and Smoothing Compounds, Damp Proof Membranes, and Tile Adhesives.

The surface of the ARDEX R 6 E Solvent Free Epoxy Primer should be fully blinded with ARDEX FINE AGGREGATE immediately after application to give a mechanical key.

For applications on new concrete, or where the relative humidity (RH %) of the substrate is in excess of 75%, ARDEX Damp Proof Membranes may be required after application of the ARDEX R 6 E in accordance with our technical datasheets directly to the smooth unblinded surface.

SURFACE PREPARTATION
Inspection holes can be drilled in the slab using a 50mm diamond core to ascertain the dept of the oil penetration.

The concrete substrate must be hard, sound, and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc. that will inhibit adhesion to the substrate.

The concrete slab should be mechanically prepared dependent on the depth of oil penetration using contained shot blasting or planing/grinding. The surface should be smooth enough to receive the ARDEX R 6 E. The surface should subsequently be degreased with a suitable degreaser and then rinsed with clean water.

The ARDEX R 6 E must be applied directly after degreasing whilst the surface is still damp, providing any standing water has been removed.

NOTE: Percussive scabbling is not normally recommended. A visual examination of the concrete surface is essential but will only give an overview of surface condition and damage sustained.

The physical condition of the concrete also needs to be assessed for strength, including pull-off strength, moisture content and presence of an effective damp proof membrane.

MIXING
The individual components of the ARDEX R 6 E Solvent Free Epoxy Primer should be thoroughly stirred before being mixed together. The entire contents of the hardener (Component B) should be poured into the resin container (Component A) and the two materials mixed thoroughly for at least 3 minutes, using a heavy-duty slow speed drill and spiral paddle. Some of the mixed components should be reintroduced back into the hardener container in order to activate any residue, and then poured back into the larger mixing vessel and re-mixed for 30 seconds (back mixing).

NOTE: Back mixing in ensures that no unreacted material is present and that the packaging can be safely disposed of as non-hazardous waste.

The mixed primer has a working time not more than 20 minutes at 20^{0}C, after which all remaining material must not be used, but be safely discarded.

NOTE: Once mixed, ARDEX R 6 E will generate heat and lose working time if it is left in the mixing container or otherwise kept in bulk.

NOTE: Always wear suitable eye/face protection and gloves.

APPLICATION
Once mixed, the material should be spread over the floor as self-heating in the container will reduce working time. Apply using a brush or short/medium pile roller. All movement joints in the subfloor must be carried through the topping and properly sealed. Construction joints and cracks not subject to movement may be overlaid but should the floor move in any way, these defects will reflect through the system. Isolation joints will need to be allowed for in ares where high thermal movement is anticipated, e.g. around ovens and freezers.

When applying
ARDEX FINE AGGREGATE to receive cement and sand screeds, smoothing compounds and tile adhesives, ensure this is carried out whilst the
ARDEX R 6 E is still fresh and as the application progresses. If applying ARDEX DPMs, these should be applied directly to the smooth, unblinded ARDEX R 6 E surface.

PACKAGING
ARDEX R 6 E is supplied in pre-gauged metal duo containers. The hardener (Component B) is in the small container and the resin (Component A) is in the large container with room to mix in the the hardener (Component B).

COVERAGE
Approximately 24m^2 per 6kg unit.

PHSYICAL PROPERTIES

Working time	20 minutes at 20^{0}C
Workability	8 hours at 20^{0}C
Overcoat time	8 hours at 20^{0}C

ARDEX R 6 E Solvent Free Epoxy Primer should be allowed to cure prior to the installation of the cement and sand screed, smoothing compound, tile adhesive or ARDEX DPMs, typically 8 hours at 20^{0}C.

STORAGE AND SHELF LIFE
Store in dry conditions. ARDEX R 6 E Solvent Free Epoxy Primer has a storage life of not less than 12 months in the original unopened containers.

NOTE: For the latest technical or health and safety information on this product, consult the current technical or health and safety datasheet online at www.ardex.co.uk

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE:
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