



ARDEX R 36 E

Solvent Free High Chemical Resistance Novalac Epoxy System

High performance, Novalac based epoxy resin floor system

Excellent chemical resistant

Hard wearing - durable with low maintenance costs

Provides a high gloss finish in a range of RAL colours

For internal use



ARDEX SINGAPORE PTE LTD
26 Tuas Ave 4 Singapore 639376
Telephone: +65 6861 7700
Fax: +65 6862 3381
Email: sales@ardex.com.sg
Website: www.ardex.com.sg

ARDEX R 36 E

Solvent Free High Chemical Resistance Novalac Epoxy System

DESCRIPTION

ARDEX R36SE is a high performance two component solvent free novalac epoxy resin that provides a high build, tough, and maximum chemical resistant surface. Its suitable for light, medium and high traffic areas and available in a wide range of colours.

RECOMMENDED USES

- sumps and pits
- storage areas
- processing and assembly areas
- industrial clean-rooms and factories
- laboratories

SURFACE PREPARATION

It is essential that ARDEX R 36 E is applied to sound, clean and dry surfaces to ensure maximum adhesion. The concrete surface 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 substrate should be dry with moisture content < 75 % RH and free from rising damp and ground water pressure. If no effective damp proof membrane is present, then ARDEX DPM or WPM 300 can applied beneath ARDEX R 36 E system. Use a degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated and new concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying ARDEX R 36 E. Over-watered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

NOTE: Any joints in the concrete base where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface. New concrete slabs must be allowed to cure for at least 4 weeks.

PRIMING

Highly porous substrates may be revealed after preparation and will be evident by their rapid absorption. In these cases, a priming coat of ARDEX R 2 E primer is advisable before applying the ARDEX R 36 E.

MIXING

The individual components of ARDEX R 36 E (hardener: Part B and resin: Part A) should be thoroughly stirred before being mixed together in a mixing vessel. Mix thoroughly for at least 2 minutes using a mixing drill. 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 1 minute. Mixing in this way will ensure product consistency and that any resin that remains in the containers after application will cure to provide for easier waste disposal.

NOTE: Once mixed, the ARDEX R 36 E will generate heat and lose working time if it is left in the mixing container or otherwise kept in bulk. Spread it out the mixed ARDEX R 76 E onto the surface and apply to reduce heat.

APPLICATION

Once mixed, the ARDEX R 36 E can be distributed without delay onto the primed surface using a brush or short/medium pile roller. Ensure that the entire surface is coated and that 'ponding' of the material does not occur. We recommend a second coat within 8 -14 hours.

This time will vary depending upon the condition of the surface and the ambient temperature. Provision for ventilation and air movement will be required. When using new rollers, ensure that all loose fibers are removed prior to use, any loose fibers released from the roller will cause unsightly blemishes in the finished coating.

THICKNESS RECOMMENDATION

Application	Thickness
Floor	Min. 600 micron
Wall	Min. 200 micron

ARDEX R 36 E

Solvent Free High Chemical Resistant Novalac Epoxy System

LIMITATIONS

These products should not be applied at temperatures less than 10°C or where the ambient relative humidity is greater than 85%. Once the mixed material has exceeded its pot life, the viscosity and the characteristics of the product change and any unused product should be discarded at this time.

NOTE: All ARDEX products are manufactured under strict Quality Assurance procedures, however, it is recommended that where colour consistency is essential, products from one batch should be used whenever possible.

TOOL CLEANING

Fresh ARDEX R 36 E can be removed from tools and equipment by washing immediately after use with solvent or turpentine. Any hardened coating will need to be removed mechanically.

TECHNICAL DATA

The values shown are typical of results obtained in the laboratory at 25°C. Actual performance values obtained on site may vary from those quoted.

Mixing ratio	4 : 1
Pot Life	30 minutes
Time between coats	8 – 14 hours
Full Traffic	24 hours
Full cure	7 days
Solids 100%	
Adhesion Strength (Concrete failure)	> 2 N/mm ²
Tensile Strength	25N/mm ²
Compressive Strength (28 days)	55N/mm ²
Flexural Strength	35N/mm ²
Shore D hardness	78

COVERAGE

ARDEX R 36 E covers approx. 2.3m² per kg @ 300 microns per coat.

NOTE: These coverage figures are theoretical, due to wastage and the variety and nature of substrates practical coverage figures may be reduced.

PACKAGING

ARDEX R 36 E is available in 20 kg set. For the 20kg set, the hardener (component B) is in the 4 kg container and the resin (component A) is in the 16kg container.

STORAGE AND SHELF LIFE

ARDEX R 36 E has a shelf life of not less than 12 months if kept in a dry, cool place between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

CHEMICAL RESISTANCE

ARDEX R 36 E is resistant to a wide range of liquids and chemicals, please consult our technical sales representatives for data sheets for ARDEX range of epoxy and polyurethane system.

COLOURS

Standard colours available in RAL. Please consult our Industrial Flooring colour chart or our technical sales representatives for customized colour requests.

MAINTENANCE

Good housekeeping and regular cleaning is essential in order to maintain the performance of ARDEX R 36 E. It is particularly important in areas that are subject to regular spillage. Spillages should not be allowed to dry as this result in higher concentrations of the materials, which may lead to early failure. Regular cleaning of the surface with a rotary scrubbing machine, in conjunction with a water miscible cleaning agent or hot washing at temperatures up to 50°C is recommended.

SAFETY PRECAUTIONS

ARDEX R 36 E should not come into contact with the skin and eyes or to be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable gloves, goggles and other protective clothing. The use of barrier creams can provide additional skin protection. When working in confined areas suitable respiratory equipment must be used. In case of contact with skin, rinse with plenty of clean water then wash with soap and water.

ARDEX R 36 E

Solvent Free High Chemical Resistant Novalac Epoxy System

Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straight away, do not induce vomiting. The Material Safety Datasheet (MSDS) is available at www.ardex.com.sg.

DISPOSAL/SPILLAGE

Please refer to the Material Safety Data Sheet for the safe handling, storage and disposal of chemical product. 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.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

Offices:

Malaysia:

ARDEX MANUFACTURING SDN BHD (669180-X)
No. 35-1, Jalan Puteri 2/3, Bandar Puteri,
47100, Puchong, Selangor Darul Ehsan
Tel: +60 38069 1139 Fax: +60 38052 3223
Email: sales@ardex.com.sg

Thailand:

ARDEX (THAILAND) CO., LTD
969 2nd Floor Moo, 13, Soi 45, Bangna-Trad Road
Bangkaew, Bangplee, Samutprakarn 10540 Thailand
Tel: +66 2316 3069 Fax: +66 2316 3075
Email: sales@ardex.co.th

Vietnam:

Mobile: +84 901 351 308
Email: sales@ardex.com.sg

JAN 2022