



ARDEX E 90

Admix for cement based Tile Adhesives

Improves adhesion and imparts flexibility

For internal and external tiling

Provides a water resistant mortar – when tiling in showers, swimming pools

Allows direct fixing over existing tiles

Low VOC content – meets Green Building Council of Australia Green Star IEQ-13 requirements

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills, NSW, 2147
1300 788 0780
technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd
15 Alfred Street
Onehunga, Auckland, 1061
0800 227 339
info@ardexnz.com
www.ardex.co.nz

ARDEX E 90

Admix for cement based Tile Adhesives

DESCRIPTION

ARDEX E 90 is a special synthetic dispersion for use in conjunction with ARDEX cement based adhesives.

The addition of ARDEX E 90 admix produces a mortar that is elastic, has high adhesion and water resistant properties (refer to adhesive packaging for information on when to use ARDEX E 90).

The ARDEX E 90 mortar can be used in both internal and external tiling applications.

ARDEX E 90 mixed with cement-based adhesives extends the use of the adhesive to situations where movement is anticipated e.g. external tiling, over fibre cement sheets/plasterboard, when tiling over heated subfloors and improves performance in swimming pools.

The ARDEX E 90 mortar can be used in both internal and external tiling applications.

WHEN TO USE

The improved mortar is especially effective in the following situations:-

- For fixing of ceramic tiles onto fibre cement sheet, compressed fibre cement sheet and plasterboard.
- For fixing over existing tiles in areas that will not be in contact with water, tiles can be directly fixed without mechanical grinding the glaze. In all other situations the tiles must be mechanically roughened to remove 80% of the glaze.
- When tiling with cement based adhesives externally, to accommodate movement movement and help inhibit the formation of efflorescence.
- For tiling over heated concrete.

ARDEX X77, X18, X7 or STS8W mixed with E 90

- For fixing tiles in swimming pools.

When fixing dense tiles to dense substrates in humid/cold weather, the final set may be extended.

SUBSTRATE PREPARATION

Refer to instructions on the adhesive packaging.

MIXING

The following mix ratios apply for nominated bags of adhesives, note that 1kg of E90 is approximately 1 litre;

With ARDEX S28 Neu

2 - 2.4L of E 90 to 4 - 4.8L of water (Walls)
1.8 - 2.2L of E 90 to 2.2 - 4.3L of water (Floors)

With ARDEX X77

2.5L of E 90 to 5.5L of water

With ARDEX X78

2.6L of E 90 to 5.6L of water

With ARDEX X18

2.0L of E 90 to 4.5L of water

With ARDEX X7

3.6L of E 90 to 3.6L of water

With ARDEX X10

2.0L of E 90 to 5.0L of water

With ARDEX STS8W

3.6L of E 90 to 3.6L of water

When diluting ARDEX E 90 use clean water. Add the powder to the diluted ARDEX E 90 whilst mixing thoroughly until an easily worked mortar is obtained.

FIXING TECHNIQUE

The mixed mortar is applied in the same way as the normal ARDEX adhesive mortar when fixing ceramic tiles, mosaics, etc. For further information refer to the instructions on the packaging of the relevant adhesive.

SHELF LIFE

ARDEX E90 has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

SAFETY DATA

Avoid contact with skin and eyes; in case of contact with the eyes, wash out immediately with fresh running water. If irritation continues, seek medical attention. Harmful to aquatic life. Avoid release into the environment. Wear protective gloves, clothing, face and eye protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

GUARANTEE

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

DISCLAIMER

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 Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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 affect 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.

© ARDEX Australia Ltd 2019.

All aforementioned products are the trademarks of ARDEX Australia Ltd, its licensors and affiliates.

This datasheet was issued in December 2019 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd.