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# ARDEX X 24

## Professional Tile Adhesive

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### Excellent adhesion

- Special modified polymer, ideal for ceramic tile with low water absorption
- Meet the requirement C1 TE of EN12004
- Double Adhesion strength of ordinary tile adhesives

Tensile adhesive strength greater than 1.0MPa in standard condition

High slip resistance: suitable for fixing all kinds of heavy tiles

Excellent water resistance: same bonding strength in water environment

Low shrinkage: selective filler, avoid shrinkage caused falling tiles

Grey and white



本企业通过ISO9001:2000质量管理体系



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# ARDEX X 24

## Professional Tile Adhesive

### DESCRIPTION

ARDEX X 24 is a cement based, floor and wall tile adhesive, consisted by special cement, selective filler, superpolymer and special additives, particularly suitable for ceramic tiles with water absorption > 0.3 .

### USE

The EN12004 C1 TE designation for ARDEX X 24 classifies as a "normal setting cementitious adhesives with reduced slip and extended open time"

**FOR FIXING** ARDEX X 24 for interior and exterior of residential and commercial buildings, tiles in dry/wet areas, e.g. ceiling, bathroom, balcony, terrace, washing room etc.

ARDEX X 24 mixed with ARDEX E 72 Adhesive Additive is designed for swimming pools. Usable for water environment such as pool with ARDEX screed.

### TO (Substrates)

Concrete, cement render/screed, leveling layer or other cement based substrates with absorbant surface, thistle board, cement-fibre sheet etc., dry wall system. Suitable for fixing tiles directly to ARDEX cement based polymer modified waterproofing membrane.

ARDEX Primer is needed for highly absorbent backgrounds or very smooth, dense and impervious surfaces.

### NOTE

ARDEX X 24 is not usable for chemical corrosion environment.

**Please contact technical service staff ARDEX for further information.**

### SUBSTRATE PREPARATION

The surface being adhered to must be clean, firm and free of dust, oil, grease, curing compounds, release agents and other barrier materials, as well as being strong enough to support the weight of the tiles being fixed.

Ensure that the background has adequate drying time, allow concrete to cure for at least 6 weeks and cement sand render and screeds at least 14 days prior to tiling. ARDEX X 24 is usable for dry or moist surface, but moisture sensitive materials must be dry and remain dry after tiling..

### MIXING

Clear water is put into a clean mixing container and whilst stirring vigorously as much ARDEX X 24 is mixed in, to give a lump free mortar.

Approx. 5.63 liters water is needed to mix 25kg ARDEX X 24.

Mixed mortar must be used immediately; the working time is approximately 2 hours at 23°C.

Add ARDEX X 26 powder to clear water in a clean container whilst stirring and mixed thoroughly to give a lump free easily worked mortar of a thick creamy consistency

Allow to stand for 3 minutes, restir the mixture thoroughly again and the adhesive is ready for use.

Approx..5.63 liters water is needed to mix 25kg ARDEX X 24.

Mixed mortar must be used immediately; the pot life is approximately 2 hoursat 23°C.

### Note

Appropriate amount of adhesive should be mixed according to size of construction during working time. The working time and strength development will be retarded at lower temperatures and accelerated at high. Do not apply at temperature below 10°C or higher than 35°C.

### APPLICATION

Apply the mortar to the substrate and comb through with a notch trowel, then press firmly into the freshly combed mortar bed.

3 x 3 x 3mm notch towel for mosaic and flat back tiles for wall, 6 x 6 x 6mm notch towel for common wall tiles, 10 x 10 x 10mm notch towel for floor and big size ceramic tiles.

To avoid hollowing, the substrates for floor and slot wall must be smoothed prior to installation. Tiles can be moved/adjusted for approx. 30 minutes. Mixed mortar of ARDEX X 24 must be used immediately; the working time is approximately 2 hours at 23°C. The scale of the application should be controlled; the adhesive work should be done in the working time. Long waiting of mortar prior to application would shorten the fixing time. ARDEX X 24 (thickness <5mm) or ARDEX render are recommended for rough and uneven substrates , then apply for normal adhesives procedures after dry (approx. 24 hours).

### GROUTING

Tiles can be grouted after 24 hours ( at 23°C).

Appropriate grout products from ARDEX are recommended.

For chemical corrosion resistance, water impermeability, cleaning performance, ARDEX epoxy grout products are recommended.

### COLOR

ARDEX X 24-grey and white

### COVERAGE

25kg of ARDEX X 24 produces 18.6L fresh mortar, 1.35kg powder/m<sup>2</sup> with thickness 1mm. the coverage will vary depending on substrate condition, tile type and application technique.

25kg of ARDEX X 24 is sufficient for approximately 5.3m<sup>2</sup> by using a 10 x 10 x 10mmnotched trowel

### PACKAGE

ARDEX X 24 is packed in paper sacks incorporation a polyethylene liner – net weight 25kg

### STORAGE

Approx 12 months when stored in the original unopened packaging in dry, clean, shady and cool place without ventilation.

### TECHNIQUE DATA

The data below is taken in laboratory at 23°C, 50% humidity.

### ARDEX QUALITY STANDARD

Mortar density	approx.1.65kg/L
Open time	approx. 30 min
Pot life	approx. 120min
Tensile adhesion strength after 28 days dry	≥ 1.0 MPa
Water immersion	≥ 1.0 MPa
Heating	≥ 0.5 MPa
Freeze-thaw	≥ 0.5 MPa
Slip resistance	≤ 0.5mm

### Meets requirement of EN12004 C1TE

Tensile adhesion strength after 28 days dry	≥ 0.5 Mpa
Water immersion	≥ 0.5 Mpa
Heating	≥ 0.5 MPa
Freeze-thaw	≥ 0.5 MPa
Resting 30min	≥ 0.5 MPa
Slip resistance	≤ 0.5mm

### SAFETY DATA

ARDEX X 24 is considered non-hazardous in normal usage. However, by containing Portland cement, quartz sand and other alkaline reacted materials, skin irritation may be caused for long term contact. Avoid breathing in powder. Avoid contact of skin and eye. Wear appropriate protection gear such as face mask, gloves, and safety glasses. In case of skin and eye contact, wash thoroughly with water. also consult a doctor. For the case of powder breathing in, move to place with good ventilation, wash mouth properly, consult a doctor for any uncomfort. This product is safe for health and environment. For further safety & handling information, please consult the Material Safety Data Sheet (MSDS).

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. Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations.