



# ARDEX X 28

## Rapid Hardening and Setting Tile Adhesive

### Advantages

- Rapid Setting, Walkable in 2 hours
- Fast hardening, Ready for grouting in 6 hours
- Super flexibility, transverse deformation up to 2.0mm
- Excellent adhesive strength greater than 1.0Mpa



### Description

ARDEX X 28 is a cement based, floor and wall tile adhesive consisted by special cement, selective filler, super polymer and special additives. Specifically to enhanced properties of adhesion and flexibility. Ideal for fixing most non-moisture sensitive natural stone floor and wall tile.

### Areas of Application

ARDEX X 28 for interior and exterior of residential and commercial buildings, tiles in dry/wet areas, e.g. roofing, bathroom, balcony, terrace, washing room etc.

Concrete, cement render/screed, leveling layer or other cement based substrates with absorbent surface, thistle board, cement-fiber 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.

For moisture sensitive stones, ARDEX stone tiling system is recommended.

### 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 28 is usable for dry or moist surface, but moisture sensitive materials must be dry and remain dry after tiling.

### Mixing

Add ARDEX X 28 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. 3.3 liters water is needed to mix 15kg ARDEX X 28. Mixed mortar must be used immediately; the open time is approximately 15 minutes at 23°C.

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### Note

DO NOT use ARDEX X 28 in chemical corrosion areas. Please contact ARDEX technical service for further information. 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. 15 minutes. Mixed mortar of ARDEX X 28 must be used immediately; the working time is approximately 45 minutes 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 28 (thickness <5mm) or ARDEX render are recommended for rough and uneven substrates, and then apply for normal adhesives procedures after dry (approx. 24 hours).

### Grouting

Grouting can proceed once the tile bed has hardened sufficiently and normally after 6 hours after the tile application at 23°C. The tile joints should be grouted with the appropriate ARDEX Tile Grout or ARDEX epoxy grout for areas where chemical resistance and hygienic joint are required.

### Packaging

ARDEX X 28 is packed in paper sacks incorporating a polyethylene liner – net weight 15kg

### Color

Grey

### Consumption

Approx. 1.3 kg/m<sup>2</sup>/mm; actual consumption varies due to multiple factors during installation.

### Standard

JC/T 547-2017 and JC/T 547-2026 (C2FTS1)

### Storage & Shelf Life

Unopened and stored in a cool, dry place, the product has a shelf life of 6 months.

### Technical Data

The following data were measured in a standard laboratory environment at 23°C and 50% RH.

Fresh weight	Approx. 1.6 kg/L
Open time	Approx. 15 minutes
Pot life	> 45 min
Early bonding strength	After 6 hours ≥ 0.5MPa
Bonding original strength	≥ 1.0 MPa
Water immersion	≥ 1.0 MPa
Heating	≥ 1.0 MPa
Freeze-thaw	≥ 1.0 MPa
Slip resistance	≤ 0.5 mm
Transverse deformation	≥ 2.5 mm

### Health & Safety

ARDEX X 28 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 uncomfortable. This product is safe for health and environment. For further safety & handling information, please consult the Material Safety Data Sheet (MSDS).