



ARDEX X 28

Rapid Hardening and Setting Tile Adhesive

Rapid Setting

- Walkable in 2 hours
- Reduce the risk of efflorescence and discoloration

Fast hardening – Ready for grouting in 6 hours

Adhesion strength greater than 0.5MPa in 6 hours
(28 days for ordinary tile adhesives)

Super flexibility

- Transverse deformation up to 2.0mm
- Avoid deformation of stone
- Avoid cracking, hallowing

Excellent adhesive strength greater than 1.0Mpa

- After water immersion
- After heating ageing
- After freeze-thaw cycling



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ARDEX X 28

Super Rapid Drying Tile Adhesive

DESCRIPTION

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

USE

The C2 FT designation for ARDEX X 28 classifies as a “improved fast setting deformable cementitious adhesives with reduced slip”

The enhanced setting and hardening performance of ARDEX X 28 means that wall and floor can be grouted, subjected to loads and walked on after only 6 hours, making it particularly suitable for use in situation where the adhesive bed has to dry quickly, or the tile has to be grouted and put into use shortly after fixing.

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.

TO (Substrates)

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.

NOTE

DO NOT use ARDEX X 28 in chemical corrosion areas.

Please contact ARDEX technical service 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 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. 2.85 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.

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. 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.

COVERAGE

15kg of ARDEX X 28 produces 11.16L fresh mortar, 1.3kg powder/m² with thickness 1mm. the coverage will vary depending on substrate condition, tile type and application technique.

15kg of ARDEX X 28 is sufficient for approximately 3.2m² by using a 10 x 10 x 10mmnotched trowel

PACKAGE

ARDEX X 28 is packed in paper sacks incorporation a polyethylene liner - net weight 15kg

STORAGE

Approx 6 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.1.60kg/L
Open time	approx. 15 min
Pot life	>45 min
Early bonding strength	
after 6 hours	≥ 0.5MPa
after 1 day	≥ 0.75MPa
Water immersion	≥ 1.0 MPa
Heating	> 1.0 MPa
Freeze-thaw	≥ 1.0MPa
Slip resistance	< 0.5mm
Lateral deformation	> 2.0mm

Meets requirement of JC/T 547-2017 C2FT

Early bonding strength	
after 1 day	≥ 0.5MP
Bonding original strength	≥ 1.0 MPa
Water immersion	≥ 1.0 MPa
Heating	≥ 1.0MPa
Freeze-thaw	≥ 1.0 MPa
Resting 30min	≥ 0.5 MPa
Slip resistance	≤ 0.5mm

SAFETY DATA

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 uncomfoting. 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.