



ARDEX X 27

High Flexible Tile Adhesive

- Suitable for large format tiles and sintered stone
- Suitable for stone tiles and heavy tiles
- Particularly suitable for yielding artificial stone and non-moisture sensitive natural stones
- Meets JC/T 547-2017 requirements of C2TES1
- Ideal for partition wall gypsum board, cement-fibre board, insulation board.
- Suitable in sustained high temperature areas, floor heating and SPA.



ARDEX HONGKONG LTD
Unit D, 16/F, CNT Tower, No.338
Hennessy Road,
Wan Chai, Hong Kong
TEL: 852-25296325
FAX: 852-25298615

SH Office:
ARDEX (SHANGHAI) CO., LTD
4F, Building 2, No. 481,
Guiping Rd.,
Shanghai, China
TEL: 86-21 64161800
P.C.: 200233

ARDEX X 27

Edition: 2020-7-29

High Flexible Tile Adhesive

DESCRIPTION

ARDEX X 27 is cement-based adhesive, contains increased amount of special polymer, special cements, selective filler, polymer and additives, suits fixing tile on partition wall system, e.g. gypsum board, cement-fibre board, insulation board, also suits sustained high temperature areas, such as floor heating and SPA.

FOR FIXING

ARDEX X 27 can be used for commercial and residential, internal and external, wet or dry areas, eg. roof, bathroom, terrace and balcony.

TO (SUBSTRATES)

Concrete, renders, screeds, also for gypsum board, cement-fibre board and insulation board. Suitable for fixing tiles directly to ARDEX cement based polymer modified waterproofing membrane. ARDEX Primer is needed for high absorption substrates.

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

MIXING

Add ARDEX X 27 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..4.9 liters water is needed to mix 20kg ARDEX X 27.

Please note the water mixing ratio mentioned above is measured with ARDEX standard mixer in lab conditions. Different mixer might lead to slight different water mixing ratio. Mixed mortar must be used immediately; The open time the mixed mortar is approximately 2 hours 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.

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

Tiles with ribbed or keyed back profiles should also be buttered to ensure complete coverage.

ARDEX X 27 has an open time of 30 minutes, and 120 minutes port life. Please use the mortar right after mixing and finish the tile adhesion in open time. Please be aware of site conditions when considering these times and only spread enough adhesive so that the tiles can be fixed while the mortar is still wet.

For uneven or rough surface, recommend ARDEX 27 (thickness under 5mm) or ARDEX B 55 to level the substrate, then apply tiling after dry (about 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.

PACKAGE

20kg polyline paper sack.

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

| | |
|----------------------|----------------|
| Fresh Mortar density | approx.1.6kg/L |
| Open Time | approx. 30 min |
| Port Life | >120 min |

SAFETY DATA

ARDEX X 27 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 uncomfot. 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.