



ARDEX X 20

Economical Tile Adhesive

Excellent Tensile Adhesion Strength:

- Well chosen cement, aggregates and high quality additive
- Tensile strength (original & after water immersion) > 0.5 MPa
- Double bonding strength of traditional cement mortars

Highly cost effective: economical and practical, substitutes for normal cement mortar



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 20

Economical Tile Adhesive

DESCRIPTION

ARDEX X 20 is an Economical Tile Adhesive with special cements, selected fillers, and other special additives. ARDEX X 20 is suitable for tiles with a absorption rate >5% onto porous substrate, for internal area.

It is tested according to Chinese national Standard JC/T 547-2017 or GB/T25181-2019.

AREAS OF APPLICATION

ARDEX X 20 can be used for internal area in common residence & commercial building, for both wet and dry area but protected/enclosed, e.g. roof, bathroom, terrace and balcony, etc.

Service

ARDEX X 20 cannot be used for external, permanent wet or chemical corrosion areas, e.g. swimming pool.

For further information, please contact ARDEX Technical Services.

SUBSTRATE PREPARATION

In general, the surface being adhered to must be clean, firm and free of dust, dirt, 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. Concrete floors must be at least 6 weeks old. Mortar screed must be at 14 days, which tensile strength of the substrate must be higher than the bonding strength of the tile adhesive.

ARDEX X 20 can be apply on dry or slightly damp surface e.g. concrete, cement screed, etc.

But for the moisture sensitive material, the substrate and the area must be always keep dry.

Mixing

Potable water is put into a clean mixing container and add ARDEX X 20 powder, then continuing to mix until a homogenous mortar is produced. Always mix the powder into the water.

Working time of approx. 2 hours at 23°C.

MIXING RATIO

If the end of the batch number is G, approximate 6.25L of clean water per 25kg bag of ARDEX X 20.

If the end of the batch number is not G, approximate 5.25L of clean water per 25kg bag of ARDEX X 20.

Note: Mixing appropriate material according to the size of working area and apply the material within the working time. At lower temperatures this time is extended and at higher temperatures this time is shortened. Apply at the temperature between 10°C to 35°C.

APPLICATION

When fixing tiles, the ARDEX X 20 mortar is spread over the surface and combed with a notched trowel to give a ribbed mortar bed (normally use a 10mm square toothed and notched pattern for normal tiles). For the floor tile or notched brick, comb the mortar on the tile's back side of sufficient depth to ensure that the tile is covered uniformly over the entire surface. The tiles are pressed into the ribbed mortar and thoroughly bedded in using the appropriate technique to ensure good contact throughout.

ARDEX X 20 has an open time of about 15 mins and working time of 2 hours. The mixed material should be applied without delay. It is recommended to use ARDEX X 20 or ARDEX B 55 (Leveling Mortar) first for the rough or uneven substrate, and then after about 24 hours, fix the tiles accordingly on the cured substrate.

GROUTING

Tiles could be grouted after 24 hours at 23 °C with ARDEX Tile Grout product. It's recommended to use ARDEX Epoxy Grout for the area which need chemical resistance, stain resistance or easy to clean.

COVERAGE

A 25kg bag of ARDEX X 20 will have about 17.8L mortar, Consumption: 1.41kg powder/mm². Actual usage will be based on the size of tooth trowel or the depth of the tile's groove. A 25kg bag with 10mm square toothed and notched pattern will cover approximately 5 m².

PACKAGE

25kg multi-layer paper bags incorporating a poly liner.

STORAGE & SHELF LIFE

ARDEX X 20 has a shelf life of approximately 12 months if stored in dry conditions in the original un-opened packaging.

Technical Data

All data obtained in laboratory conditions at 23°C, 50% Relative Humidity (RH).

Mixed Mortar Density: about 1.69kg/L
Open time: about 15mins
Working time: about 120 mins
Adhesion Strength: ≥0.50 MPa
Adhesion Strength (water immersion): ≥0.50 MPa

PRECAUTIONS:

ARDEX X 20 is considered non-hazardous in normal usage, during mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice. For further information, please consult the Material Safety Data Sheet (MSDS).

The technical details, recommendations and other information contained in this datasheet 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 National or Local Standard, our instructions & recommendations, and only for the uses they are intended. Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations. Our Company policy is one of continuous Research & Development; we therefore reserve the right to update this information at any time without prior notice. We 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. The supply of our products and services is also subject to certain terms, warranties & exclusions; and these details will be made available to you on request. You should make yourself familiar with them.