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# ARDEX CT 5

## Commercial Tile Adhesive

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Cement-based

Good adhesion strength

Easy to use

For internal and external use

Cost effective

Green Label certified



**ARDEX-QUICSEAL SINGAPORE PTE. LTD.**

26 Tuas Ave 4 Singapore 639376

Telephone: +65 6861 7700

Fax: +65 6741 4666

Email: [sales@ardex-quicseal.com](mailto:sales@ardex-quicseal.com)

Website: [www.ardex-quicseal.com](http://www.ardex-quicseal.com)

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### DESCRIPTION

ARDEX CT 5 is a cement-based tile adhesive for the fixing of ceramic tiles to cement rendered walls, concrete or sand and cement topped floors. ARDEX CT 5 is recommended for fixing quarry tiles, slates and ceramic tiles.

### FOR FIXING (TILE TYPES)

Glazed and unglazed tiles (with moisture absorption >6%). Slates, terracotta and quarry tiles.

### SURFACE PREPARATION

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. Ensure surfaces are dry before tiling, with no residue or permanent damp. Ensure that the substrate's required drying time is achieved and allowed to elapse prior to fixing the tiles. Prime porous substrates with ARDEX Multiprime.

NOTE: Showers or similar wet areas should be waterproofed with ARDEX Waterproofing products.

### MIXING

A 25 kg bag of ARDEX CT 5 requires 5 - 6 L of water. Avoid excess water. Add the powder to clean water in a clean container whilst stirring vigorously with electric power drill and mix thoroughly for 2 minutes until a smooth slump-free consistency is produced.

Allow to stand for 2 minutes before restirring the mixture thoroughly and the adhesive is ready for use. The consistency of the adhesive can be adjusted to suit the site conditions and size, weight and type of tiles to be fixed. Do not apply at temperature below 5°C. The pot life is approx. 3 hours at 23°C and 50% RH.

### FIXING TECHNIQUE

Before fixing, ensure the substrate has been prepared and the tiles are free from dust. Substrate surface, type and size of the tiles determine the selection of the trowel. As a general guide use a 6 x 6 x 6 mm notched trowel for wall and a 10 x 10 x 10 mm notched trowel for floor tiling. ARDEX CT 5 can be applied at a bed thickness greater than 3 mm or less than 10 mm. Immediately after mixing, spread the adhesive paste onto the prepared substrate. Do not spread more than can be tiled within 10 - 15 minutes.

For improved adhesion on surfaces, first apply a skim coat of adhesive using a flat edge trowel. Comb fresh adhesive onto wet skim coat. The tiles must be pressed into the freshly combed mortar bed to ensure good contact with the mortar. Slide the tiles at right angles to the notch pattern to ensure 100% coverage on the back of the tile.

Tiles with ribbed or keyed back profiles should also be buttered to the back of the tile to ensure complete coverage. Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix. Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets.

Do not use if surface temperature is less than 5°C or more than 35°C.

ARDEX CT 5 has an adjustability time of 10 -15 minutes. 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. All tools should be cleaned with water immediately after use.

### MOVEMENTS JOINTS

Movement joints must be in accordance with standard code of practice. For high movement areas, the movement joint interval should be reduced to 4 m.

### GROUTING

Grouting can proceed once the tile bed has hardened sufficiently so that tiles will not be dislodged. Grouting may be allowed after approx. 24 hours at 23°C and 50% RH. The tile joints should be grouted with the appropriate ARDEX grout.

### COVERAGE

Approx. 3 kg of ARDEX CT 5 per m<sup>2</sup> using a 6 x 6 x 6 mm notched trowel. Coverage varies depending on substrate condition, tile type and application technique.

### PACKAGING

ARDEX CT 5 is packed in a multilayer paper bag, net weight 25kg.

### SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place between 10°C and 30°C with 50% RH.

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### LIMITATIONS

Do not use ARDEX CT 5 for dense tiles (WA<6%), over timber floors or over concrete slabs subject to shrinkage and other movements.

### TECHNICAL DATA

Colour:	grey and white
Mixing ratio:	approx. 5 - 6 L water per 25 kg
Application properties at 23°C and 50% RH	
Wet Density:	1.60 - 1.70g/cm <sup>3</sup>
Adjustability time:	10 - 15 minutes
Open time	approx. 20 minutes
Grouting time:	approx. 24 hours
Pot Life:	approx. 3 hours
Mechanical properties (AS 4992 / EN 12004) Tensile Strength after	
Standard aging after 28 days:	≥ 0.7 N / mm <sup>2</sup>
Water immersion after 28 days:	≥ 0.7 N / mm <sup>2</sup>

### SAFETY PRECAUTIONS

This product is considered non hazardous in normal use. The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact with skin takes place. Avoid contact with skin and eyes. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye protection and keep the product out of reach for children. Avoid generation of airborne dust during mixing. If swallowed, do not induce vomiting, give a glass of water and contact a doctor. For further material safety data, consult the Safety Data Sheet which is available upon request and online at [www.ardex-quickseal.com](http://www.ardex-quickseal.com)

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### OFFICES:

Malaysia:  
ARDEX QUICKSEAL MALAYSIA SDN. BHD.  
72-2, Jalan Puteri 2/2 Bandar Puteri 47100,  
Puchong, Selangor Darul Ehsan  
Malaysia  
Phone: +603 8051 0311  
Email: [sales.malaysia@ardex-quickseal.com](mailto:sales.malaysia@ardex-quickseal.com)

Thailand:  
ARDEX (THAILAND) CO., LTD  
969 2nd Floor, Moo 13, Soi 45, Bangna-Trad Road  
Bangkaew, Bangplee, Samutprakarn 10540 Thailand  
Telephone: +66 2316 3069 Fax: +66 2316 3075  
Email: [sales@ardex.co.th](mailto:sales@ardex.co.th)  
Website: [www.ardex.co.th](http://www.ardex.co.th)

Vietnam:  
Mobile: +84 901 351 308  
Email: [sales@ardex-quickseal.com](mailto:sales@ardex-quickseal.com)

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