



Recommendations for Fixing Ketley Quarry Tiles CONCRETE SUBSTRATES

Surface Preparation

- Allow at least 6 weeks, preferably 12 weeks, drying time prior to fixing tiles onto new concrete.
- The concrete should be prepared by removing any oils, surface hardeners or curing agents. The surface of the concrete should also be hard, sound, clean and free from dust, surface laitance or any other material liable to create a barrier to adhesion.
- Consideration should be given to the flatness and surface regularity of new backgrounds prior to applying tiled finishes; where an adhesive fixing technique is used, any gap under a 2m straight edge resting on the surface should not exceed 3mm. It is preferable that any deviations and undulations are rectified using the appropriate ARDEX levelling and smoothing compound rather than trying to make up surface irregularities using the tile adhesive.

Tile Fixing

- The tiles should be fixed to the prepared substrate using ARDEX X 7 R Flexible Rapid Setting Adhesive.
- ARDEX X 7 R Flexible Rapid Setting Adhesive is mixed with clean water in a clean container using an ARDEX approved mixing paddle. Further mixing instructions including mix proportions are available in the technical data sheet available online at www.ardex.co.uk
- The mixed mortar is applied to the prepared surface with a trowel and then combed through with a suitably sized notched trowel in straight lines to give a ribbed mortar bed. During the fixing process the backs of the tiles should be regularly checked to ensure that solid bed fixing has been achieved.
- When the adhesive has hardened, the tiles can be grouted using ARDEX-FLEX FL Rapid Setting Flexible Tile Grout. The grout is mixed with clean water in a clean container until a creamy, easily worked mortar is achieved. The grout is worked thoroughly into the joints using a rubber squeegee. Excess grout should be removed as work proceeds and any residues left can be wiped off with a damp sponge up to 30 minutes later. Any dry film remaining on the tile surface after cleaning can be removed by polishing with a dry cloth.
- Please note that all ARDEX products referred to above should be mixed and applied strictly in accordance with the current technical literature, which are available on the ARDEX website www.ardex.co.uk or on request to our offices at Haverhill.
- The British Standards Codes of Practice recommend that any existing movement joints or other joints subject to movement be brought through the surface of the applied floor tiles. Detailed guidance as to the different types of movement joints is available in BS 5385 Part 3:2007.
- Unless otherwise stipulated, ARDEX cement based products should be mixed and applied at temperatures of 5°C and rising, as per industry recommendations.
- Health & Safety data for all the ARDEX products referred to can be downloaded via the ARDEX web site www.ardex.co.uk





Recommendations for Fixing Ketley Quarry Tiles SAND/CEMENT SCREEDED SUBSTRATES

Surface Preparation

- Allow at least 3 weeks drying time prior to fixing tiles onto new sand and cement screed. If this is not possible, ARDEX A 38 Ultra Rapid Drying Cement for Screeds should be considered and allows tiling to commence after just 4 hours.
- The screeded surface should be hard, sound, clean and free from dust, surface laitance or any other material liable to create a barrier to adhesion.
- Consideration should be given to the flatness and surface regularity of new backgrounds prior to applying tiled finishes; where an adhesive fixing technique is used, any gap under a 2m straight edge resting on the surface should not exceed 3mm. It is preferable that any deviations and undulations are rectified using the appropriate ARDEX levelling and smoothing compound rather than trying to make up surface irregularities using the tile adhesive.

Tile Fixing

- The tiles should be fixed to the prepared substrate using ARDEX X 7 R Flexible Rapid Setting Adhesive.
- ARDEX X 7 R Flexible Rapid Setting Adhesive is mixed with clean water in a clean container using an ARDEX approved mixing paddle. Further mixing instructions including mix proportions are available in the technical data sheet available online at www.ardex.co.uk
- The mixed mortar is applied to the prepared surface with a trowel and then combed through with a suitably sized notched trowel in straight lines to give a ribbed mortar bed. During the fixing process the backs of the tiles should be regularly checked to ensure that solid bed fixing has been achieved.
- When the adhesive has hardened, the tiles can be grouted using ARDEX-FLEX FL Rapid Setting Flexible Tile Grout. The grout is mixed with clean water in a clean container until a creamy, easily worked mortar is achieved. The grout is worked thoroughly into the joints using a rubber squeegee. Excess grout should be removed as work proceeds and any residues left can be wiped off with a damp sponge up to 30 minutes later. Any dry film remaining on the tile surface after cleaning can be removed by polishing with a dry cloth.
- Please note that all ARDEX products referred to above should be mixed and applied strictly in accordance with the current technical literature, which are available on the ARDEX website www.ardex.co.uk or on request to our offices at Haverhill.
- The British Standards Codes of Practice recommend that any existing movement joints or other joints subject to movement be brought through the surface of the applied floor tiles. Detailed guidance as to the different types of movement joints is available in BS 5385 Part 3:2007.
- Unless otherwise stipulated, ARDEX cement based products should be mixed and applied at temperatures of 5°C and rising, as per industry recommendations.
- Health & Safety data for all the ARDEX products referred to can be downloaded via the ARDEX web site www.ardex.co.uk

