



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AERO TILEFIX DIAMOND GREY

High performance, polymer modified, non-slip adhesive

Description

AERO TILEFIX DIAMOND is a grey cementitious powder containing polymers and specialty additives. It is ideal for concrete, plaster and also tile substrates. It is ideal for fixing ceramic & vitrified wall and floor tiles, quarry tiles and similar materials. It provides strong adhesion to cement/sand surfaces, to in-situ/pre-cast and aerated concrete, and brickwork. AERO TILEFIX DIAMOND can also be used for fixing tile on tile.

Uses

- Wet areas – kitchens and bathrooms
- New tiling in internal and external areas
- Tile on tile application
- Kitchens, showers and laboratories
- Tiling swimming pools and fountains
- Tiling corridors, pavements, podiums and roofs
- Used for fixing of insulation & acoustic boards.

Advantages

- Easy to use by adding water
- High adhesive bond strength
- Long open time
- Water resistant
- Excellent thermal resistance and can withstand temperature up to 150 °C
- Good slip resistance
- Can be used in totally submerged conditions

Standards Compliance:

AERO TILEFIX DIAMOND conforms to BS 5980 class AA Type 1, and ISO 9001:2008.

Instruction for use

Surface Preparation

All surfaces must be sound and thoroughly clean before AERO TILEFIX DIAMOND is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Tiles must be dry, and their surfaces free of contaminants that could impair adhesion.

Do not soak tiles in water before laying.

Mixing

AERO TILEFIX DIAMOND should be mixed with clean potable water in the ratio 3 : 1 by weight (3 part powder : 1 part water). Mix with a suitable stirrer or mixer mounted on slow speed electric drill machine until a lumps free consistency is achieved. The total quantity of water may be slightly adjusted to achieve the required consistency.

Application

Spread mortar with flat side of trowel to key-in substrate; then apply additional mortar to a depth sufficient to be notched with a suitable trowel and will leave only enough mortar to give 100 % contact with back of tile and a subsequent mortar bed of 3 mm to 4 mm. only apply as much mortar as can be covered with tiles within the open time. Check the open time by touching the adhesive bed with your fingertip.

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	AERO TILEFIX DIAMOND Grey	@ 27± 2°C
2	Mixed Density	1.50 - 1.55 g/cc
3	Bed Thickness	upto 6 mm(6)
4	Walls*	Use 6 mm X 6 mm square notch trowel
5	Floors*	Use 12 mm X 12 mm square notch trowel
6	Mixing Ratio (p.b.w = Parts by weight)	1 p.b.w. Water to 4 p.b.w. Adhesive
7	Open Time	15 - 20 Minutes
8	Pot Life	3 hours
9	Setting Time	24 hours
10	Shear Adhesion IS 15477:2004 Type 2 1 Day Air 14 Days Air	5.50 kN 14.00 Kn
11	Temperature Resistance	-30°C to 150°C
12	VOC Content	1.26 g/L

Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

Finishing

Remove excess adhesive with a damp cloth before material has set. Joint grouting with AERO TILE GROUT may be commenced 24 hours after tiles have been laid.

Cleaning

AERO TILEFIX DIAMOND should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Packing & Coverage

Packing: 20 kg.

Coverage: Approx. 6. 5 to 7m² per 20 kg bag @ 3 - 4 mm thickness.



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Shelf Life & Storage

AERO TILEFIX DIAMOND has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AERO TILEFIX DIAMOND is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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