

MONOTILE G102



High Performance Tile Adhesive

DESCRIPTION

MONOTILE G102 is a polymer modified, flexible, cementitious, high performance waterproof adhesive. It is suitable for fixing natural stones and different types of tiles such as ceramic, mosaic and granite. It can be used for heavy duty tiles on floor as well as tile-on-tile. Specially formulated for enhanced adhesion and flexibility, it is ideal for areas where slight movements or vibrations occur. floor.

USES

- . For indoor and outdoor use
- . For walls and floors.
- . On existing wall and floor tiles and vertical cladding.
- . Swimming pools.
- . For laying natural stone products, granite and marble, ceramic tiles and slabs, porcelain mosaics, brick tiles, clinker bricks and fully vitrified tiles.
- . On cement screeds, ground anhydrite and/or gypsum based floated screeds, pre-cast concrete elements, aerated concrete, plaster boards, gypsum fiber boards and dry screeds.
- . Insulation boards, plaster slabs and plaster.

ADVANTAGES

- . Ideal for heavy duty tiles and tile-on-tile application
- . Ready for grouting after about 3 hours
- . Water resistant and multi-purpose
- . Deformable, compensates changes in temperature and elongations of the substrate
- . Non-slip
- . No additions to the mix required except water
- . Non-sag
- . Easy and quick to apply as it does not need battens and spacers
- . Anti-stain and waterproof

TYPICAL PROPERTIES

Colour : Cement grey

Bed Thickness : 3mm

Set Time : 5 - 6 hours depending upon the temperature

Pot Life : 90 minutes (25°C)

Mixed With : 20% water by weight of powder

Open Time Tile Fixing (250C): 15- 30 minutes

Adjusting Tiles after Fixing (250C): 5-15 minutes

Adhesion (Direct Pull of Test): 7 days 1.5 N/mm²

Shear Bond Strength (at 28 days): 0.7 N/mm²

Water Absorption (28 days dry curing): less than 2%

Adhesion for Wet/Dry Cycling (24 hrs immersed in water and 24 hrs. at room temperature): 5 cycles

Direct Pull of Test : 1.6 N/mm² at 28 days

Water Vapour Permeability: reduced by 95%.

STANDARDS

MONOTILE G102 meets and exceeds the water resistance and strength requirements of:

. ANSI - A 136.1 - 1972

. ANSI - A 118.1 - 1972

. BS - 5980 - TYPE 1 CLASS AA

DIRECTION FOR USE

Check that the substrate is solid, clean and able to bear loads. Clean all oil and grease stains and remove any other residues which may inhibit proper bonding. Clear the substrate surface of any irregularities. Ensure that the minimum age of a cement screed substrate is 28 days and that for concrete is 6 weeks.

Ascertain that freshly applied cement screeds do not have residual moisture content above 4%, anhydrite and/or gypsum based screeds do not have more than 0.5% moisture content. Level the concrete floors with a self-smoothing screed leveler. Prime very absorbent cement based substrates and aerated concrete with a suitable acrylic primer, diluted 1: 1 with water.

Prime ground anhydrite and/or gypsum based floated screeds as well as gypsum based substrates and mastic asphalt screeds inside buildings with a suitable priming system.

Next, take gauging water in a clean mixing vessel. Add MONOTILE G102 and mix the mortar with a suitable stirrer. Or use a mixer mounted on an electric drill to achieve a plastic, lump-free consistency. Maintain a water powder ratio of 0.24 - 0.28, i.e. add 6 - 7 litres water to 25 kgs of MONOTILE G102, depending upon the temperature.

Apply a thin bond coat of MONOTILE G102 to the substrate with the smooth edge of the trowel.

Allow a slake time of approximately 3 minutes when using MONOTILE G102 as a stone adhesive, then mix again briefly. Apply only as much mortar as can be covered with tiles during the working time.

Comb mortar onto the fresh bond coat with a notched trowel. Try to apply the adhesive bed in one direction only. Check the working time by touching the mortar with fingertips.

Position and align the tiles by nudging them neatly into the adhesive bed after laying mosaic tiles, remove the Monotile G102 adhesive from the joints down to a uniform depth. This is necessary to ensure proper, stain free grouting afterwards. This is also applicable to front-sided paper faced mosaic. Tools and ceramics should be washed with water immediately after use. Once the product has cured it can be removed by mechanical means only.

Usage guideline

KEM TILEST (in Parts) :	3	3
Water (in parts):	1	1
Coverage(in m ² /20 kg):	6-7	4-5
Bed Thickness (in mm):	3	5

PACKAGING • 20 kg bag COVERAGE

Approx. 5 - 6 m²/ 20 kg Bag at 3 mm thickness (using 6 mm x 6 mm notch)

*Coverage will vary depending on trowel notch size, type, tile size and substrate smoothness and evenness.

STORAGE

12 months for sealed pack when stored under cover, out of direct sunlight, damp-proof condition and protect from extremes of temperature.

HEALTH & SAFETY

. Keep away from children, Wear suitable protective clothing, gloves and eyes/face protection

. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice Limited to professional use only. For more details please refer the relevant material safety data sheet, available on request

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