

CAT No. ADH-011-2401

ISOLITH 150

Premium Tile Adhesive

ISOLITH 150 is a grey powder, polymer-modified cementitious adhesive used for permanent fixing of ceramic, vitrified tiles and small format stone using the thin bed method. It only requires the addition of water to produce a high bond strength adhesive suitable for internal and external application, on walls and floors.

APPLICATION

ISOLITH 150 is used to fix ceramic, vitrified tiles and small format stones over concrete, masonry and bricks.

ADVANTAGES

- Very good adhesion
- Single component
- Good open time: Tropical Grade formula
- Slip-resistant
- Suitable for small and medium format vitrified & ceramic tiles
- Suitable for bonding tiles on wall and floors.

SPECIFICATION

ISOLITH 150 conforms with the requirements of BS EN 12004-1: 2017, Class C2

TYPICAL PROPERTIES

- Initial Tensile adhesion strength, BS EN 12004-2: 2017..... > 1.0 N/sq.mm
- Tensile adhesion strength after water immersion, BS EN 12004-2: 2017 > 1.0 N/sq.mm
- Tensile adhesion after heat aging, BS EN 12004-2: 2017..... > 1.0 N/sq.mm
- Open time at 20 minutes , BS EN 12004-2: 2017..... > 0.5 N/sq.mm
- Slip, BS EN 12004-2; 2017..... < 0.5 mm

DIRECTION FOR USE

Substrate must be clean, sound, and free from dust, dirt, loose paint, sealers, curing compounds, oil, grease etc.. New concrete and or plaster should be cured sufficiently and dimensionally stable so that no drying shrinkage or movement will occur. Control joints should be installed where tile abuts restraining structures such as walls, columns and directly over cold control joints in base concrete. Interior installations shall have control joints spaced a maximum of 7 x 7 meters. Surface to be tiled shall be dampened with water prior to application to prevent premature drying of adhesive due to absorption.

MIXING

Up to 8.2 kilogram of cool, clean water can be added to one bag (25 kg) of **ISOLITH 150**. First, put the required amount of water in a suitable mixing container, then add powder. Mix using an electric drill fitted with a paddle running at low speed (200-300 RPM) until a uniform creamy consistency is achieved. Allow to stand for 5 minutes, then remix. Apply immediately and fix tiles within the indicated open time. Small quantities can be mixed using 1 part water and 2-2.5 parts powder, by volume.

FIXING

Apply the adhesive using the flat side of a trowel onto the damp substrate using a scraping motion to work the material into good contact with the substrate. Then scrape using the notched side. **ONLY AS MUCH MATERIAL SHOULD BE APPLIED AS CAN BE COVERED WITH TILE WHILE ADHESIVE IS STILL TACKY.** Always provide at least 1.5-2 mm space around every tile. Place tile in adhesive. Press down until it feels solid. Beat tile with a rubber mallet or piece of wood block to ensure proper bond and levelling. As a general rule, excess adhesive should be squeezed-out from the joint filling the sides of each tile by one-third of the depth. Remove any excess adhesive on the tile surface with a wet cloth or sponge. Allow adhesive to self cure for at least 24-hours prior to grouting with ISOJOINT or ISOLITH EP tile grout.

PACKING / COVERAGE

ISOLITH 150 is packed in 25 kg paper bag and when mixed with 8.2 kg of water will approximately cover 6 square meters using 6 x 6 mm square notched trowel for a solid bed of 3mm. Note that coverage will vary depending on notch size.

SHELF LIFE

Twelve months when stored in dry, covered warehouse condition. Some lumps may occur due to warehouse set. These should be screened and removed.

HEALTH / SAFETY

Cement may cause slight skin irritation when wet. Avoid inhaling powder. Use dust mask and gloves. Skin contamination should be washed with water and soap. Refer to MSDS for more safety instructions.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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