



奧迪美®



**TA314**

**TILE ADHESIVE (2-IN-1 FIX AND GROUT)**

### PRODUCT DESCRIPTION

**OPTIMIX TA314 TILE ADHESIVE (2-IN-1 FIX AND GROUT)** is a high quality polymer modified cementitious adhesive for installation of tiles. Dual functions for fixing and filling joints for tiles in one process. Normal setting adhesive to BS EN 12004 Class C1. Available in wide range of colours.

### TYPICAL USAGE

- For bonding and filling joints of paper-faced mosaic tiles.
- Suitable for using on various substrates, including concrete, render or plaster board.
- For interior and exterior applications onto walls and floors

### FEATURES AND BENEFITS

- Consistent quality
- Simple and easy to use
- Long open time
- Good bond strength
- Water resistance
- High productivity rate
- Moderate flexible
- Good slip resistance



## TECHNICAL DATA

| <b>Product Characteristics</b>                   | <b>OPTIMIX TA314</b>     |
|--|--------------------------|
| Tensile Adhesion Strength (Standard Conditions)  | 1.5 MPa                  |
| Tensile Adhesion Strength (Water Immersion)      | 1.0 MPa                  |
| Tensile Adhesion Strength (Heat Aging)           | 1.0 MPa                  |
| Tensile Adhesion Strength (Freeze-Thaw Cycle)    | 0.5 MPa                  |
| Tensile Adhesion Strength (Open Time at 20 mins) | 0.5 MPa                  |
| Water Absorption after 30 mins                   | 0.69 g                   |
| Water Absorption after 240 mins                  | 1.53 g                   |
| Typical Mixing Water                             | 5.75 - 6.25 liters       |
| Wet Density                                      | 1600 kg/m <sup>3</sup>   |
| Coverage   | 1.3 kg/mm/m <sup>2</sup> |
| Packaging  | 25 kg per bag            |
| Shelf Life                                       | 12 months                |

*Note: The above are typical laboratory test results and can vary slightly depending on the ambient and substrate conditions during application.*

## TESTING METHODS

|                                   |                 |
|-----------------------------------|-----------------|
| Determination of Open Time        | BS EN 1346      |
| Determination of Tensile Adhesion | BS EN 1348      |
| Water Absorption                  | BS EN 12808 - 5 |

*Note: The tests were performed according to the national standard or in-house modifications of the corresponding testing procedures*

## SURFACE PREPARATION

Substrate must be clean, free from loose particles, oil, grease and other contaminants. New concrete should be allowed to cure for a minimum of 4 weeks, render or screed should be allowed to cure for a minimum of 7 days before laying tiles. Or until excessive shrinkage movement has taken place before tiling works. Do not use on gypsum based substrate directly without surface pretreatment.



## MIXING

Mix one bag of **OPTIMIX TA314** dry powder with 5.75 - 6.25L potable water. Mechanical mixing with slow speed drill fitted with a suitable paddle is recommended. Mix the mixture for about 5 minutes or until a lump-free homogenous mix is achieved. Allow the mixture to stand for 3 - 5 minutes, mix briefly again and the material is ready for use.

## APPLICATION

The mosaic tiles must be dry before fixing. Spread the adhesive of approximately 2 mm thick using a straight edge trowel onto the substrate. Press the tiles firmly onto the adhesive bed with a twisting action to ensure good contact. Butter the paper faced mosaic sheeting making sure that all the joints are completely filled. Press the sheeting onto the adhesive bed and apply pressure onto the tiles evenly with a wooden float. After the adhesive is set, damp the paper thoroughly and peel it off carefully without disturbing the tile and grout.

## HEALTH AND SAFETY

**OPTIMIX TA314** is alkaline in nature and can cause irritations to persons with sensitive skin. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. If contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

## STORAGE

Store in the original unopened bags on pallets with plastic wrapping under dry conditions. Store out of direct sunlight, clear of ground on pallets protected from rainfall. Avoid excessive stacking of pallets. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

**Important Note:** The information contained herein is, the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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