

AIMTILE ADHESIVE C2S1

CEMENTITIOUS HIGH STRENGTH WATER RESISTANT TILE ADHESIVE

Introduction

AIMTILE ADHESIVE C2S1 is synthetic high quality polymer modified cement based water resistant tile adhesive for the thin or thick bed fixing of Porcelain, Marble and Granite tiles of size 60cm x 60cm and above for floor and wall tiling for both indoor and outdoor purposes.

AIMTILE ADHESIVE C2\$1 is improved cementitious (C2), anti-slip (T), extended open time (E) and deformable(S1) tile adhesive made of Portland cement, graded sand, synthetic high quality resin and specialty additives.

Appropriation

Type of tiles: Porcelain, Marble, Granite Size of tiles: 60cm x 60cm and up to 70cm to 130cm Floor elevation: Basement to 4th floor and above

Indoor, outdoor or both: Both Floor, wall or both: Both

Where to use

-Interior and exterior bonding up to 15mm thick on floors and walls of Marble, Porcelain and Granite tiles of size 60cm x 60cm and up to 70cm to 130cm on unevensubstrates and renders, without having to levelthe flooring and wall beforehand. -Interior and exterior bonding of stone and agglomerate materials (provided that they are classified as stable and not irreversibly sensitive to

-Spot bonding of insulating material in interior and exterior if needed such as expanded polystyrene rock and glass wool.

Characteristics

Deformable

Thin or thick bed fixing

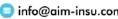
Tile on tile applications on existing flooring Excellent adhesion to even on non-porous substrates Suitable for bonding on facades

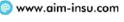
Waterproof – permanent immersion does not affect adhesion

Can be used for external and internal purposes Can Be used for tile on tile applications. Excellent bonding even in damp conditions Excellent resistance to water and humidity Slump and slip resistance Easy and economical to use **Excellent workability** Low VOC emission Extended open time

Al Mutathawir Insulation Materials Industries L.L.C.











Technical Data and Properties

| rechnical Data and | rropenies |
|--------------------|--|
| Classification | C2TES1 |
| Aspect | Powder |
| Color | Grey |
| Density | 1.55 gm / c.c. app |
| Flash point | Not applicable |
| Std. conforms to | EN 12004 as C2TES1 |
| | ISO 13007-1 as C2TES1 |
| | ANSI A 118.1 |
| Initial Adhesion | ASTM D4541:2001: 2.5 N/mm ² |
| strength(28 days) | |
| Adhesion after | 2.2 N/mm2 |
| heating | |
| Adhesion after | 1.9 N/mm2 |
| water immersion | |
| Adhesion after | 1.75 N/mm2 |
| freeze Thaw | |
| cycles | |
| Pot life (hrs) | 8 |
| Adjustment time | 45-60 |
| (min) | |
| Open time (min) | >30 |
| Grouting time on | 8 hours |
| wall(hrs) | |
| Grouting time on | 24 |
| floor(hrs) | |
| Application | +5 C° to +40C° |
| temperature | |
| VOC Content in g/L | <1 |

Product Management

Coverage

Solid bed fixing: 3mm-6mm depth 5.5-11kg/m² Notch trowel: smooth surface 2ka/m²

Instructions for use

Mix AIMTILE ADHESIVE C2S1adhesive in a ratio of 6 to 7 liters of water per 25kgs bag and 4.5 to 5.5 for 20kgs Bag. Mix to a uniform lump-free consistency. Leave for approximately 5 minutes to allow the resins to completely dissolve. Moisten the support if necessary, but never the tiles. Mixing should by a action mixer. Hand mixing is recommended for small quantities only.

Point to be noted: The open curing time of tile adhesive at 30°c is approximately 30 minutes. Therefore care should be taken in preparing the mortar. Prepare only the surface, which can be tiled within this time. Mixtile MTA adhesive should not be used on painted or metal surface.

Method of Application

Apply AIMTILE ADHESIVE C2S1adhesive to a uniform thickness of 3mm to 6mm on the support to cover the slots on the back of the tiles, of an area of not

more than 1m² at a time. For horizontal applications a solid bed fixing is

recommended as well as for heavy-duty vertical applications. For other vertical applications, use a toothed

spatula to comb horizontally to remove excess. The trowel should have 6mm notches at 25mm intervals center to center.

Apply the tiles, press it, and smooth out carefully so that the mortar is spread evenly. If the bonding is perfect, the tile will not slide. The joints can be filled with AIMGROUT (available in gray, white or matching colors on request)

Consumption

Approximately 2kg/m² / 3mm depending on the support. Clean the tools with water after use. Store in dry conditions and protect against wind and rain

Packing and Storage

Shelf life: AIMTILE ADHESIVE C2S1adhesive can be kept for 12 months in unopened packs. Packing

Health and Safety

AIMTILE ADHESIVE C2\$1contains no hazardous substances; however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes, wash thoroughly and immediately with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS released on each AIM product.

Al Mutathawir Insulation Materials Industries L.L.C.

