

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 C2S1 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

Characteristics

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

Deformable

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 uneven substrates and renders, without having to level the 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 moisture)

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

Technical Data and Properties

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 strength(28 days)	ASTM D4541:2001: 2.5 N/mm ²
Adhesion after heating	2.2 N/mm ²
Adhesion after water immersion	1.9 N/mm ²
Adhesion after freeze Thaw cycles	1.75 N/mm ²
Pot life (hrs)	8
Adjustment time (min)	45-60
Open time (min)	>30
Grouting time on wall(hrs)	8 hours
Grouting time on floor(hrs)	24
Application temperature	+5 C° to +40C°
VOC Content in g/L	<1

Product Management

Coverage

Solid bed fixing: 3mm-6mm depth 5.5-11kg/m²

Notch trowel: smooth surface 2kg/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 be by a force 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 C2S1contains 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.