



AIMTILE ADHESIVE C1S1

POLYMER MODIFIED CEMENTITIOUS WATER RESISTANT TILE ADHESIVE

DESCRIPTION

AIMTILE ADHESIVE C1S1 is polymer modified cement based water resistant general purpose tile adhesive for the thin or thick bed fixing of ceramic and earthenware tiles for floor and wall tiling for both indoor and outdoor purposes.

AIMTILE ADHESIVE C1S1 is normal setting cementitious (C1), 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: Ceramic and earthenware
Size of tiles: 30cm x 30cm and above
Floor elevation: Basement to 4th floor and up
Indoor, outdoor or both: Both
Floor, wall or both: Both

APPLICATION AREAS

Interior and exterior bonding up to 15mm thick on floors and walls of ceramic and earthenware type of tiles of size 30cm x 30cm and above (single and double fired tiles, clinker, terracotta, etc.) on uneven substrates and renders, without having to level the flooring beforehand.

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

ADVANTAGES

- ▶ Thin or thick bed fixing
- ▶ Excellent adhesion to even on non-porous substrates
- ▶ Water resistant
- ▶ Used for both indoor and outdoor purposes
- ▶ Excellent bonding even in damp conditions
- ▶ Excellent resistance to water and humidity
- ▶ Slump resistance
- ▶ Easy and economical to use
- ▶ Excellent workability
- ▶ Low VOC emission
- ▶ Extended open time
- ▶ Anti-slip
- ▶ Deformable

APPLICATION

Coverage

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

Notch trowel: smooth surface 2kg/m²

Instructions for use

Mix AIMTILE ADHESIVE C1S1 Adhesive in a ratio of 6 to 7 liters of water per 25kgs bag and 4.5 to 5.5 per 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. AIMTILE ADHESIVE C1S1 should not be used on painted or metal surface and on wooden surface.

Method of Application

Apply AIMTILE ADHESIVE C1S1 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)

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CONSUMPTION

Approximately 2kg/m² 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 C1S1 can be kept for 12 months in unopened packs.

Packaging: 15, 20 & 25 KG Bags

SAFETY

AIMTILE ADHESIVE C1S1 is formulated without any hazardous substances. However, as with all construction chemical products, it is important to exercise caution. When handling AIMTILE ADHESIVE C1S1, it is recommended to wear protective clothing such as gloves and goggles. For maximum safety, wearing a long sleeve overall, safety shoes, and a face mask is also advised. After each use, reseal the containers and store the product according to the safety instructions on the label. In case of contact with the skin or eyes, immediately rinse with fresh water. If any of the product is accidentally swallowed, do not induce vomiting, but seek immediate medical assistance. For more detailed information, please consult the Material Safety Data Sheet (MSDS) provided.

TECHNICAL SPECIFICATIONS

Classification	C1TES1
Aspect	Powder
Color	Grey, White
Density	1.6gm / c.c. app
Flash point	Not applicable
Std. conforms to	EN 12004, ISO 13007-1, ANSI A 118.1
Tensile strength	Part 7: 1985: 2.5N/mm ² :(BS 6319)
Flexural strength	4.0N/mm ² :(BS 6319: Part 3: 1990)
Initial Adhesion strength(28 days)	ASTM D4541:2001: 1.5N/mm ²
Adhesion after heating	1.15N/mm ²
Adhesion after water immersion	1.2N/mm ²
Adhesion after freeze Thaw cycles	1.3N/mm ²
Pot life (hrs)	8
Adjustment time (min)	App. 45
Open time (min)	>30
Grouting time on wall(hrs)	8
Grouting time on floor(hrs)	24
Application temperature	5C - 40C
VOC Content in g/L	<1

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.



Al Mutathawir Insulation Materials Industries L.L.C.
T: +971 6 5345585 | F: +971 6 5347717
E: info@aim-insu.com | W: www.aim-insu.com
P.O. Box: 22704, Sharjah-UAE