

ALCEN[®] | अल्सेन[®]

**DRYMIX
CONSTRUCTION
CHEMICALS**



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Alcen Tile Adhesive (Premium)

• Typical Composition:

1. Cement: The primary binder
2. Sand: Aggregate for improved strength and durability
3. Polymers : Added to enhance flexibility, adhesion, and water resistance (RDP, MHEc, Calcium Formate etc)
4. Other additives: May include cellulose ethers, silica fume, or other chemicals to improve workability, adhesion, or durability

• Tile Adhesive Type 2 (also known as C2) is a classification under the European Standard EN 12004 for tile adhesives.

• Key Characteristics of Alcen (Premium) Tile Adhesive T2:

1. Improved flexibility: Premium Type 2 adhesives have enhanced flexibility compared to Type 1, making them suitable for areas with moderate movement or vibration.
2. Higher adhesion strength: They exhibit improved bonding strength to various substrates, including concrete, masonry, and plasterboard.
3. Better durability: Alcen Premium Bag adhesives are more resistant to water, temperature fluctuations, and other environmental factors.

• Applications:

1. Internal and external tile installations: Suitable for walls and floors in residential, commercial, and industrial settings
2. Areas with moderate movement: Recommended for areas with expected movement, such as near expansion joints or in areas with slight structural movement

• Benefits:

- Reliable bonding: Ensures strong adhesion between tiles and substrate
- Flexibility: Accommodates moderate movement without compromising the bond
- Durability: Resistant to environmental factors, reducing the risk of tile failures

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Alcen (Stonefix) Tile Adhesive

• Applications:

1. Areas with significant movement: Suitable for areas with expected large movement, such as:
 - Large format tiles
 - Exterior applications (e.g., facades, balconies)
 - Areas with high foot traffic or vibration
 - Underfloor heating systems
2. Challenging substrates: Recommended for substrates with uneven surfaces, old tile, or other difficult-to-bond surfaces

• Type 3, also known as C2TE or S2, is a high-performance classification under the European Standard EN 12004.

• Key Characteristics Of Alcen (stonefix) :

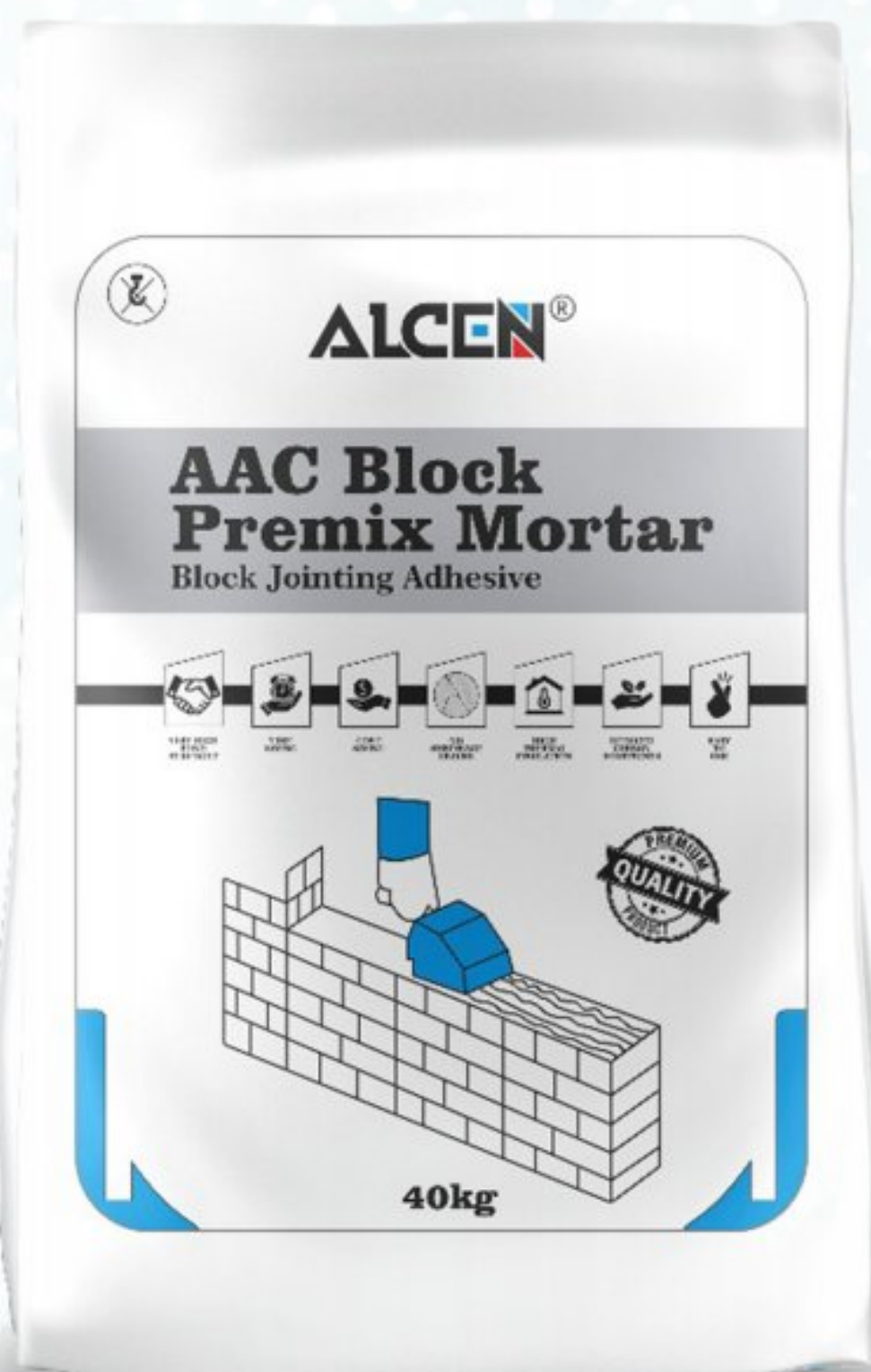
1. High deformability: Type 3 adhesives have excellent flexibility, making them suitable for areas with significant movement, vibration, or stress.
2. High adhesion strength: They exhibit superior bonding strength to various substrates, including concrete, masonry, plasterboard, and even challenging surfaces like old tile or paint.
3. Excellent durability: Type 3 adhesives are highly resistant to water, temperature fluctuations, and other environmental factors.

• Typical Composition:

1. Cement: The primary binder
2. Polymers (e.g., high latex content): Added to enhance flexibility, adhesion, and water resistance
3. Other additives: May include cellulose ethers, silica fume, or other chemicals to improve workability, adhesion, or durability

• Benefits:

- Highly reliable bonding: Ensures strong adhesion between tiles and substrate, even in challenging conditions
- Excellent flexibility: Accommodates significant movement without compromising the bond
 - Long-term durability: Resistant to environmental factors, reducing the risk of tile failure and ensuring a long-lasting installation.



• Key Characteristics:

- High adhesion strength to AAC blocks
- Good workability and spreadability
- Water retention and resistance to shrinkage
- Compatible with AAC block properties (e.g., lightweight, thermal insulation)

Alcen Block Joining Mortar

• For AAC (Autoclaved Aerated Concrete) blocks, a Alcen Block Joining Mortar bag contains:

• Main ingredients:

1. Cement
2. Sand (or other mineral fillers)
3. Special additives (e.g., polymers, cellulose ethers) for improved adhesion, workability, and durability

• Composition:

The exact composition may vary depending on the specific Grades. However, a typical dry mix mortar for AAC blocks might include:

- Cement: 20-30%
- Sand or mineral fillers: 60-70%
- Additives (polymers, cellulose ethers, etc.): 1-5%

Our Alcen Block Joining Mortar
ensure the quality that meets the required standards
and is compatible with your specific construction needs.