

AAC BLOCK JOINING MORTAR

hahne Set AAC is a factory-mixed, polymer-modified thin bed joining mortar specially formulated for laying AAC, ALC, and lightweight concrete blocks. Developed with German formulation technology and enhanced with high-performance additives, it provides superior adhesion, strength, and workability for thin joint applications, ensuring faster, cleaner, and more durable masonry construction.



PRODUCT INFORMATION

Area of Applications

- Joining of AAC, ALC, Hollow, and Cellular blocks in walls and partitions.
- Ideal for both load-bearing and non-load-bearing structures.
- Suitable for internal and external masonry walls.

Features and Benefits

- **Excellent Bond Strength:** Ensures a firm grip between AAC blocks, minimizing cracks and joint failures.
- **High Coverage:** Requires only 3–4 mm joint thickness, reducing material consumption by up to 70% compared to conventional mortar.
- **Shrinkage Controlled:** Prevents shrinkage cracks due to optimized polymer blend.
- **Ready to Use:** Just add water and mix; no site blending of cement or sand needed.
- **Improved Workability:** Smooth, creamy consistency for easy application and better productivity.
- **Weather Resistant:** Suitable for both internal and external applications.

Coverage

Approx. 80-90 sqft per 40 kg bag (3 mm joint for 600x200x200 mm blocks)

(Coverage may vary depending on block size, surface smoothness, and workmanship.)

TECHNICAL SPECIFICATIONS

Property	Test Method	Result
Pot Life	EN 1015-9:1999	~ 60 min
Bulk Density	IS 2386 Part-3-1963	1.4 ± 0.5 gm/cc
Water Retentivity	ASTM C1506-2024	≥ 90%
Compressive Strength – 28 Days	ASTM C109:2026	≥ 7 N/mm ²
Splitting Tensile Strength	ASTM C1660-2024	≥ 0.3 MPa

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APPLICATION PROCEDURE

Surface Preparation

- Ensure the surface is clean, sound, and free from oil, grease, dust, or loosely adhering particles.
- The blocks should be properly cured and free from standing water before applying the mortar.

Mixing

- Add approximately 13.3 litres of clean water to a 40 kg bag of **hahne Set AAC**.
- Mix using a mechanical stirrer or low-speed drill for 5–7 minutes until a smooth, uniform, lump-free consistency is achieved.
- Allow the mix to rest for 3-5 minutes before use.

Application

- Apply the mixed mortar on the block using a notched trowel to form an even 3–4 mm thick layer.
- Place the next block within the open time and gently press it to ensure full contact and alignment.
- Excess mortar should be removed immediately.

Curing

- No water curing is required.
- However, light misting may be done under extremely hot or windy conditions to avoid rapid drying.

PACKAGING, STORAGE AND SAFETY

Packaging

- **hahne Set AAC** is available in 40 kg moisture-resistant bags.

Storage and Shelf Life

- Store the adhesive in a cool, dry place, away from direct sunlight and moisture, to maintain its quality.
- The shelf life of the product is 12 months if stored in its original sealed packaging.

Safety Instructions

- Contains Portland cement and is alkaline in nature.
- May irritate eyes and skin.
- Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Do not ingest.
- Avoid breathing dust. Wear a respirator in dusty areas.

DISCLAIMER: The information and application guidelines provided by the company and its representatives are intended solely as a general reference. Users are strongly encouraged to conduct their own tests and trials to verify the product's suitability for their specific requirements before proceeding with full-scale use. As the identification of underlying issues, the quality of other materials and the workmanship on-site are beyond our control, we cannot offer any express or implied guarantees regarding the results. The company disclaims any liability for damages or unsatisfactory outcomes that may arise from the use of our products.