

AAC-J

THIN-BED MORTAR FOR AAC BLOCKS & PANELS

THIN JOINT 2 - 5mm

PRODUCT DESCRIPTION

AAC-J is a ready-mixed mortar for laying autoclaved aerated concrete blocks and panels, concrete blocks, hollow blocks, fired clay bricks and fly-ash bricks. It consists of cement, sand and special polymer additives that give high bond strength, good water retention and stability. AAC-J replaces the traditional method and materials: joints of 12 - 20mm are reduced to 2 - 5mm. It needs only to be gauged with water to produce the bedding mortar.

QUICK SPECIFICATIONS

PACKAGING	25kg/bag
COLOUR	Grey
WATER MIXING RATIO	5.75 - 6.25L per 25kg bag
JOINT THICKNESS	2 - 5mm
SETTING TIME	≥ 180 minutes
ADJUSTMENT TIME	≥ 5 minutes
SUBSTRATE TEMPERATURE	8 - 35°C
CURING	No curing required
COVERAGE (600 × 200 × 100mm BLOCK)	At 2mm: 13.5m² · 3mm: 9.0m² · 4mm: 6.7m² per bag
SHELF LIFE	06 months (unopened bag)
STORAGE CONDITIONS	Cool, dry, well-ventilated place



ILLUSTRATIVE IMAGE Spreading AAC-J with a notched trowel onto lightweight concrete blocks



ILLUSTRATIVE IMAGE Lightweight block wall with thin 2 - 3mm joints

USES & BENEFITS

- **Application surfaces:** AAC blocks/panels · Cement-mortar blocks · Fly-ash bricks · Calcium silicate bricks · Fired clay bricks
- **Benefits:** High bond strength · No curing required · Easy to use · Long working time · Fast and economical

SUBSTRATE REQUIREMENTS

- **Substrate temperature:** must be between **8°C and 35°C**
- **Cleaning:** the surface must be sound and clean, free of grease, paint, curing compounds and other contaminants
- **Dampening:** wipe off dust and dampen the substrate, removing any excess surface water

MIXING

- Pour **5.75 - 6.25 litres** of clean water into a bucket, slowly add **01 bag (25kg)** of mortar and mix to a uniform consistency
- Slow-speed mixer **~300 - 600rpm**, mix until uniform — avoid over-mixing
- Allow the powder to stand for **3 - 5 minutes** then remix; if the mix stiffens slightly, remix without adding water or powder

APPLICATION

- Ensure the block/panel faces are clean and dampened before the mortar is spread
- Use **a notched trowel** to spread the mortar over the block face at a thickness of **2 - 3mm** (or as specified), then lay the block on top
- Check the wall for line and level regularly during application
- The product bonds strongly even to metal — wash tools while the mortar is still fresh; once hardened it can only be removed mechanically

TECHNICAL DATA

Property	Standard	Result
Compressive strength after 28 days	TCVN 9028:2011	≥ 10.0MPa
Adhesion strength to AAC blocks after 28 days		≥ 0.4MPa
Adhesion strength to the concrete substrate after 28 days		≥ 0.8MPa
Maximum aggregate particle size		≤ 0.63mm
Flowability		180 - 200mm
Initial setting time	–	≥ 180 minutes
Adjustment time		≥ 5 minutes

The above results and recommendations are based on laboratory testing; actual performance may vary depending on the application method and specific site conditions

SAFETY INFORMATION

- **Skin and eyes:** the product contains alkaline Portland cement; contact with perspiration or body fluids may cause skin irritation, mild burns or allergic reaction in sensitive individuals. Both dry and wet cement can cause serious eye injury on direct contact
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing the eye; if pain persists, seek medical attention at the nearest facility
- **Protective equipment:** Gloves · Safety goggles (when mixing) · Fine-dust mask (when mixing) · Protective clothing
- **Working environment:** work in a well-ventilated area, away from confined spaces, children and pets; avoid inhaling cement dust while mixing the dry material
- **Surplus material:** reseal the bag tightly after use to prevent moisture pick-up. Do not dispose of surplus material down drains — it may cause blockages; allow it to harden and dispose of it as construction waste
- Consult the **Safety Data Sheet (SDS)** latest edition on the official BUMATECH website, or contact our technical department

PRECAUTIONS & DISCLAIMER

- Always carry out a trial application on a small area before full-scale work, to assess adhesion, coverage and compatibility with the substrate under actual site conditions
- Apply only when the substrate temperature is between 8°C and 35°C
- The product contains Portland cement and silica sand and may cause skin irritation on prolonged contact; do NOT swallow, avoid inhaling product dust and wear a dust mask in dusty areas
- Keep out of reach of children
- The figures in this document are established by laboratory testing under standard conditions; actual values vary with temperature, humidity, accompanying materials, application method and workmanship. It is the user's responsibility to verify suitability for the intended use
- BUMATECH accepts no liability for loss arising from use outside the intended purpose, application contrary to these instructions, or combination with incompatible materials not confirmed in writing; we reserve the right to update technical information without prior notice. Check the latest TDS edition on our website before each project

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