

MATERIAL SAFETY DATA SHEET (MSDS)

WALL FIX – AUTOCLAVED AERATED CONCRETE (AAC) BLOCKS

Product Name	WALL FIX AAC Blocks	Document No.	STK-WF-SDS-001
Company	Stockyard Infra Private Limited	Revision	01
Issue Date	13 October 2026	Intended Use	Construction / masonry walls

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product: WALL FIX AAC Blocks

Product type: Autoclaved Aerated Concrete (AAC) masonry blocks

Recommended use: Internal and external wall construction in building applications.

Supplier / Marketer: Stockyard Infra Private Limited

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Emergency contact: Use the supplier contact above; seek medical/emergency services when required.

2. HAZARDS IDENTIFICATION

The finished AAC block is a solid, non-flammable construction product and is not expected to present a significant hazard during normal handling and use.

Potential hazards during cutting, drilling, grinding or breaking:

- Dust may irritate the eyes, skin and respiratory tract.
- Prolonged or repeated inhalation of high concentrations of construction dust should be avoided.
- Mechanical handling may present risks from falling, dropping or crushing blocks.
- Wet cutting and suitable local dust extraction are recommended to control airborne dust.

GHS classification: The finished product classification should be confirmed against the current composition and applicable regulatory assessment before formal regulatory submission.

3. COMPOSITION / INFORMATION ON INGREDIENTS

AAC is a cementitious, cellular mineral product manufactured from mineral raw materials and binders and cured in an autoclave. Typical constituents can include cementitious binder, lime, siliceous material such as sand/fly ash, gypsum and an aerating agent; exact formulation varies by manufacturer and grade.

This SDS is for the finished WALL FIX AAC block. Exact ingredient percentages and any reportable hazardous constituents should be taken from the manufacturer's current formulation and laboratory data before issuing a regulatory SDS.

4. FIRST-AID MEASURES

Inhalation: Move the affected person to fresh air. If coughing or breathing irritation persists, obtain medical attention.

Eye contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if easy to do. Seek medical attention if irritation persists.

Skin contact: Wash with soap and water. Remove contaminated clothing.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice if symptoms occur.

Most important symptoms: Temporary irritation, coughing or discomfort from dust exposure.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The finished AAC block is non-combustible. Use extinguishing media appropriate for surrounding materials.

Specific hazards: The product itself is not expected to burn under normal conditions.

Protective equipment: Firefighters should use standard protective equipment appropriate to the surrounding fire.

6. ACCIDENTAL RELEASE / UNINTENTIONAL RELEASE MEASURES

For broken blocks and debris, isolate the area and use safe mechanical handling methods.

Avoid creating airborne dust. Do not dry sweep where this could generate significant dust; use wet methods or suitable industrial vacuuming.

Wear appropriate eye and respiratory protection where dust is generated.

Dispose of waste in accordance with applicable local requirements.

7. HANDLING AND STORAGE

Handling:

- Use safe lifting and material-handling practices.
- Wear safety footwear and gloves where appropriate.
- Avoid dropping or throwing blocks.
- Control dust during cutting, drilling or grinding.

Storage:

- Store on stable, level ground in a dry, protected area.
- Stack securely to prevent collapse or falling materials.

- Keep pedestrian routes and emergency access clear.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Provide ventilation and local dust extraction at cutting/drilling points. Prefer wet cutting where practical.

Eye protection: Safety glasses or goggles when dust or fragments may be generated.

Hand protection: Work gloves suitable for handling masonry products.

Respiratory protection: Where effective dust control cannot be achieved, use a suitable particulate respirator selected under the applicable workplace respiratory-protection programme.

Skin/body protection: Work clothing and safety footwear appropriate to the task.

Occupational exposure limits: Apply the limits prescribed by applicable law for relevant airborne dust constituents; confirm product-specific limits from current composition/testing data.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light grey, solid, cellular masonry block

Odour: Odourless / negligible

Physical state: Solid

Flammability: Non-combustible construction product

Solubility in water: Insoluble as a finished block; may absorb water

pH: Not normally specified for the finished solid product

Density: Grade-dependent; refer to the applicable product TDS

Compressive strength: Grade-dependent; refer to the applicable product TDS

Thermal conductivity: Grade-dependent; refer to the applicable product TDS

Other properties: Refer to the current WALL FIX Technical Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity: No hazardous reaction expected under normal intended use.

Chemical stability: Stable under normal ambient conditions.

Possibility of hazardous reactions: Not expected during normal use.

Conditions to avoid: Excessive impact, uncontrolled dust generation and unsafe stacking.

Incompatible materials: No specific incompatibility expected for normal construction use.

Hazardous decomposition products: None expected under normal use.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation of dust; eye and skin contact during cutting/handling.

Acute effects: Mechanical irritation of eyes, skin and respiratory tract may occur from dust.

Chronic effects: Repeated exposure to high levels of respirable dust may present occupational health concerns depending on the constituents present.

Carcinogenicity and other chronic hazards: Product-specific determination requires confirmation of the exact formulation and applicable hazard classifications.

12. ECOLOGICAL INFORMATION

The finished mineral block is not expected to present significant ecological hazards under normal

intended use.

Avoid uncontrolled discharge of large quantities of construction debris or dust to drains and waterways.

Product and packaging waste should be managed in accordance with local requirements.

13. DISPOSAL CONSIDERATIONS

Dispose of broken blocks, cutting waste and packaging in accordance with applicable local, state and national regulations.

Where permitted, clean mineral AAC waste may be recycled or used as construction/mineral fill subject to project and regulatory requirements.

Do not dispose of waste in watercourses or unauthorized locations.

14. TRANSPORT INFORMATION

UN number: Not assigned / not expected to be regulated as dangerous goods.

Transport classification: Generally not classified as dangerous goods for normal road transport.

Transport precautions: Secure loads properly to prevent shifting, falling or breakage. Protect from conditions that may compromise safe stacking.

15. REGULATORY INFORMATION

The product is a construction material. Product performance and technical requirements should be assessed against the applicable product standard and project specifications.

BIS identifies IS 2185 (Part 3) for autoclaved cellular aerated concrete blocks. Product-specific compliance should be supported by current test reports and applicable certification/documentation.

This SDS should be reviewed against current Indian occupational-safety, environmental and transport requirements before formal regulatory submission.

16. OTHER INFORMATION

Document status: Product safety information for WALL FIX AAC Blocks.

Revision: 01

Prepared for: Stockyard Infra Private Limited

Reference: Current product technical data and applicable standards.

IMPORTANT DISCLAIMER:

This document is a product-safety template prepared from general characteristics of AAC masonry blocks. It is not a substitute for a manufacturer-validated regulatory SDS. Before issuing this document to customers, project consultants, authorities or for statutory compliance, Stockyard should verify the exact formulation, hazardous constituents, exposure limits, test data and applicable legal requirements with the actual AAC manufacturer / competent EHS professional.

For technical product performance, refer to the WALL FIX AAC Blocks Technical Data Sheet.