



BY SHRI SHIVEK AAC BLOCKS PRIVATE LIMITED



BLOCKS

BUILDING EXCELLENCE:

Vajra Product & Service Overview

VAJRAAAC.COM



**STRENGTH
IN EVERY
BLOCK**



COMPANY PROFILE:

SHRI SHIVEK AAC BLOCKS PRIVATE LIMITED

Introduction:

Shri Shivek AAC Blocks Pvt. Ltd. is a distinguished manufacturer and supplier of premium construction materials, with a specialization in AAC (Autoclaved Aerated Concrete) blocks. Known for our unwavering commitment to quality, innovation, and customer satisfaction, we have earned a reputation as a trusted leader in the construction industry. Beyond AAC blocks, our product line includes superior Block Joint Mortar, Tile Adhesive, and Ready Plaster. Our dedication to excellence and sustainable practices makes us stand out in the market.

Company Overview:

Name: Shri Shivek AAC Blocks Private Limited

Year of Establishment: 31 January 2020

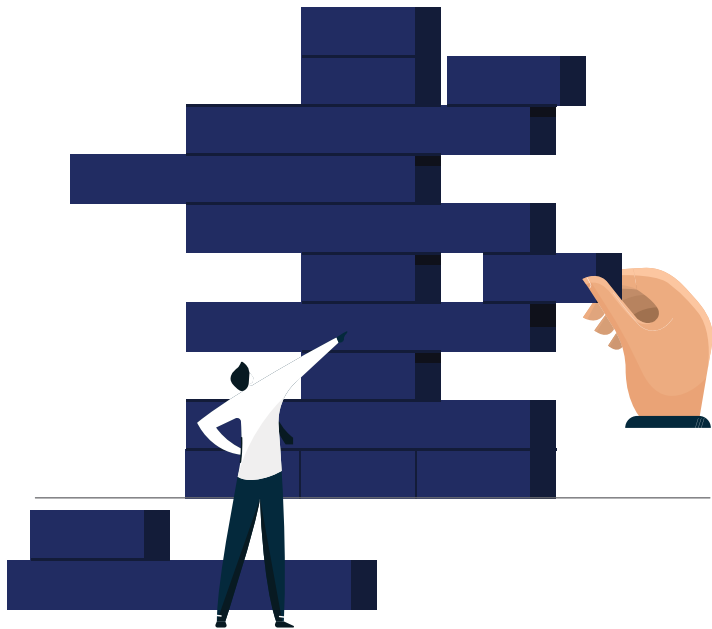
Location: Hyderabad

Type: Private Limited Company





VISION AND MISSION STATEMENTS:



Vision

At Shri Shivek AAC Blocks Pvt. Ltd., we aspire to be the foremost provider of innovative and sustainable construction solutions, driving the development of structurally sound, energy-efficient, and environmentally friendly buildings. Our vision is to be recognized as a trusted and reliable brand, consistently pushing the boundaries of quality and excellence in the construction industry.

Mission

Our mission is to produce and deliver top-quality AAC blocks and construction materials that not only meet but exceed customer expectations in terms of quality, performance, and value. We are dedicated to enhancing the durability and sustainability of every construction project we support.

Innovation: We are committed to continuously exploring and adopting cutting-edge technologies, processes, and materials to elevate the quality, efficiency, and sustainability of our products.

Quality: We uphold the highest standards of quality across every stage of our operations, from sourcing raw materials to manufacturing and delivering the final products. Our goal is to consistently provide products that meet or exceed international benchmarks.

Customer Satisfaction: We are dedicated to understanding and fulfilling the diverse needs of our customers by delivering exceptional products and services. Our aim is to build long-term partnerships rooted in trust, reliability, and customer satisfaction.

Sustainability: We actively promote eco-friendly practices by utilizing fly ash, reducing energy consumption, minimizing waste, and continuously seeking ways to lessen our environmental impact. Our commitment to sustainability drives us to contribute to a greener, more sustainable future.

Collaboration: We believe in nurturing strong relationships and collaborations with architects, builders, contractors, and industry professionals. By working together, we strive to collectively enhance the quality and efficiency of construction projects, achieving mutual growth and success.

Employee Empowerment: We are committed to creating a work environment that values and empowers our employees. We provide opportunities for growth, encourage innovation, and foster a culture of teamwork, professionalism, and excellence.





WALLING MATERIAL COMPARISON



PROPERTY	RED BRICK	CONCRETE BLOCK	AAC BLOCK
Material Composition	Top Soil	Cement + Water + Sand and Gravel.	Fly Ash + Gypsum + Lime + Cement + Aluminium powder
Water Absorption	High	Average	Low
Pest & Termite	High	None	None
Dry Density	1800–2000 kg/m ³	2500 kg/m ³	550–650 kg/m³
Earth Quake Resistance	Low	Low	Highest in the category
Wastage due to Breakages	High 10 to 12%	Minimal (1-3%)	Minimal (1-3%)
Fire Resistance (6" wall)	2 hours	3 hours	4 hours.
Energy Saving	Low	Average	High (30% less electricity consumption on HVAC)
Thermal Conductivity (K value)	0.81 W/m ² .K	2 W/m ² .K	0.16 W/m².K

Quick Facts



AAC Blocks consists **80% air** by volume, making it lightest available walling material (**weighs 1/3** that of clay bricks).



It is further strengthened by high pressure steam curing in **Autoclaves**.



Formed as a result of reaction of aluminum on a proportionate blend of lime, Cement & Fly ash, the hydrogen gas that escapes creates **millions of tiny air cells** giving it a strong **Honey comb** like structure.



AAC BLOCKS

Discover the future of construction with our cutting-edge **VAJRA AAC BLOCKS (Autoclaved Aerated Concrete)**.

Designed to revolutionize building solutions, these blocks offer a host of benefits that elevate construction standards to new heights. Manufactured with advanced technology and precision engineering, these lightweight, high-performance blocks are the ideal choice for sustainable and efficient construction projects.

Our **AAC blocks** are crafted using a precise blend of fly ash, cement, lime, water, and an expanding agent, resulting in lightweight, precast blocks renowned for their exceptional strength, thermal insulation, and eco-friendliness. These blocks offer unmatched versatility in construction, enabling efficient assembly, reduced structural weight, and superior durability.



Advantages:

- ▼ Lightweight
- ▼ Excellent Thermal Insulation
- ▼ Superior Sound Insulation
- ▼ Fire Resistant
- ▼ High Compressive Strength
- ▼ Sustainable and Eco-Friendly
- ▼ Speedy Construction
- ▼ Versatility
- ▼ Cost-Effective
- ▼ Improved Workability
- ▼ Reduced Carbon Footprint
- ▼ Durable and Low Maintenance



INSTALLATION

Mixing:

To prepare Wonder Bond for application, add 12 to 15 liters of clean, potable water per 40 kg bag. Mix thoroughly using a stirrer until a uniform blend is achieved. Ensure there are no unmixed powder residues at the bottom of the container.

APPLICATION

Application Method:

- ▼ Before applying Wonder Bond, dampen the surface to enhance adhesion.
- ▼ Use an appropriate trowel to spread a thin, even layer of Wonder Bond, approximately 3 to 5 mm thick, on the cleaned and leveled surface of the masonry units.
- ▼ Place the next course of masonry units onto the evenly laid jointing mortar bed, ensuring proper alignment and leveling.
- ▼ Gently press each masonry unit into position with the handle of a trowel to ensure proper bedding and alignment.

*Vajra AAC Blocks are
a high-performing,*

superior variant with greater density and compressive strength.

Compared to standard AAC Blocks, Vajra excels in all physical
properties, offering nearly twice the performance.



Suitable Substrates:

AAC blocks require an appropriate mortar or adhesive for proper installation and bonding. The recommended material is thin-bed mortar, specifically designed for AAC block construction. This mortar has a unique composition that ensures strong adhesion and effective joint filling, providing structural stability to the wall.

**Increased
Floor Space**

**Cost
Savings**

**Energy
Efficiency**

**Faster
Construction**



BLOCK MORTAR

VAJRA AAC BLOCK MORTAR is a factory-prepared blend of carefully selected raw materials, Portland cement, graded aggregates, and polymers. Designed to be mixed with water, it produces a high-strength, thixotropic mortar ideal for laying aerated lightweight concrete, fly ash bricks, cement hollow blocks, cellular concrete blocks, or smoothing over block work surfaces in layers up to 12mm thick. This mortar meets and exceeds the requirements of both national and international standards.

Our **Block Joint Mortar** is specifically formulated to provide strong and reliable bonding between AAC blocks during construction. This high-quality adhesive mortar ensures proper alignment, stability, and structural integrity. It is easy to use, offers excellent workability, and delivers a durable bond that withstands environmental stress.



Advantages:

- ▼ No water curing required
- ▼ Pre-mixed, ready to use; just add water on-site
- ▼ Thin joints with exceptional adhesion enhance load-bearing capacity
- ▼ Improved bond, compressive, and tensile strength
- ▼ Flexible, shock and impact resistant
- ▼ Negligible water seepage due to superior mortar binding
- ▼ Long working time
- ▼ Fast, economical, and easy to use



INSTALLATION

Surface Preparation:

- ▼ Slightly dampen the masonry units before applying the blocks.
- ▼ Ensure the units are clean, free of loose particles or dust for better bonding.
- ▼ The surface must be structurally sound; remove efflorescence and any contaminants that could impair the bond.
- ▼ Repair surface defects like cracks, holes, or voids before application.

Mixing:

Mix approximately 40 kg of AAC Block Mortar with around 12 liters of potable water. Add the powder gradually into the water while mixing by hand or with a slow-speed mixing machine. Mix for 3 to 5 minutes until a smooth, lump-free thixotropic mix is achieved.

APPLICATION

Thin-Bed Mortar for Laying Blocks:

Ensure the block surface is dry and clean before applying mortar. Spread a thin layer of mortar (2 to 3 mm or as specified) using a trowel, then place the next layer of blocks. Maintain proper joint spacing and fill joints with mortar, ensuring the wall remains vertical by checking with a plumb.

Smoothing Over the Block Work:

Apply a 1 to 2 mm bonding layer of AAC Block Mortar using a trowel, pressing it down onto the block work. Then apply an 8 to 10 mm layer of mortar and smooth it with a sponge or rubber/wooden float.

Get ready-to-mix

mortar for your AAC bricks, red bricks, and more.

This factory-made dry mix is expertly blended with selected raw materials.



Suitable Substrates:

- ▼ Concrete Blocks
- ▼ Cellular concrete blocks
- ▼ Cement Mortar Blocks/Bricks
- ▼ Fly Ash Bricks
- ▼ Concrete hollow blocks
- ▼ Red Bricks
- ▼ Aerated Light weight blocks

**High
Strength**

**Impact
Resistance**

**Construction
Accuracy**

Economical



READY MIX PLASTER

Introducing our Premium **Ready-Mix Plaster**, the ultimate solution for achieving flawless, smooth walls with minimal effort. Expertly formulated, this pre-mixed plaster offers exceptional workability, superior adhesion, and consistent quality. It's designed to save valuable time during construction, ensuring hassle-free application and outstanding results.

Our Ready Plaster is a **high-quality, pre-mixed plastering material** that simplifies the construction process. It provides a smooth, even finish to walls and ceilings, reducing labor and time. With excellent workability, high adhesion, and crack resistance, it ensures superior aesthetic appeal and long-term durability.



Advantages:

- ▼ Time-Saving
- ▼ Easy Application
- ▼ Consistent Quality
- ▼ Superior Adhesion
- ▼ Versatility
- ▼ Reduced Labor Costs
- ▼ Smooth Finish
- ▼ Enhanced Efficiency
- ▼ Optimized Material Usage
- ▼ Faster Project Completion
- ▼ Reliable Performance
- ▼ Excellent Coverage



INSTALLATION

Surface Preparation:

- ▼ Ensure the surface is clean, dry, and free of dust, grease, and loose particles.
- ▼ Repair any cracks or imperfections on the substrate before application.

INSTALLATION

Application Method:

- ▼ If necessary, mix the plaster according to the manufacturer's instructions.
- ▼ Using a trowel or plastering tool, apply the Ready-Mix Plaster to the prepared surface.
- ▼ Spread the plaster evenly in a thin layer, maintaining consistent thickness for a smooth finish.
- ▼ Level the plaster with the trowel, ensuring uniformity across the surface.
- ▼ Allow the plaster to set and cure as per the manufacturer's recommendations.
- ▼ Protect the freshly plastered surface from excessive moisture or direct sunlight during the curing process.
- ▼ Once dry and cured, the surface can be finished with paint or wallpaper as desired.

Vajra Ready Mix Plaster

is a polymer-modified, pre-mixed cement-based plaster that delivers convenience, ease of use, and strength with excellent substrate adhesion. It creates a smooth surface, enabling faster and more efficient tiling applications.

Suitable Substrates:

- ▼ Concrete Surfaces
- ▼ Masonry Units
- ▼ Plasterboard
- ▼ Cement Backer Board
- ▼ Prepared Render
- ▼ Painted Surfaces



Convenient

Efficient

Seamless

Reliable



CONTACT US:

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Factory: Shadnagar, Near Raikal Toll Gate, Bangalore Highway,
Survey No: 67, Nandaram Village, Balanagar Mandal,
Mahbubnagar District, Telangana: 509202.

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