FAST CONSTRUCTION
LIGHT AND STRONG
MODULAR BUILDING
COMFORT AND QUALITY

THE PERFECT BUILDING SOLUTION

AIRCRETE BUILDING SYSTEM
AAC HOUSING SOLUTION

Autoclaved Aerated Concrete (aircrete) is nowadays the most suitable building material for sustainable construction. The extensive product portfolio and outstanding material characteristics create the perfect foundation for modular, fast and eco-friendly housing solutions which outperform traditional building materials.

Manufacturing a complete AAC building solution is a next step towards your market expansion. Beyond the existing AAC blocks commodity market, there is a growing worldwide demand for integrated panel-based building solutions.

AIRCRETE BUILDING SYSTEM

Aircrete supports development of your local market through design of innovative buildings systems suited for residential, commercial and social housing construction.

We design new solutions or convert existing buildings into an optimized AAC building system. The dimensions of the panels are standardized to fit the optimal product portfolio of Aircrete factories. (floors, walls, roofs, lintels) Application of an Aircrete housing solution results in direct time and cost savings in construction.

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<tr>
<th>Identify - Housing Design</th>
<th>Use existing design (Customer) or New design (Aircrete)</th>
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<tbody>
<tr>
<td>Determine - Local Conditions</td>
<td>Climate zone, wind category, soil type, seismic activity</td>
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<td>Design - Plan of the Building</td>
<td>Establish general architecture design using aircrete elements</td>
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| Finalise - Detailed report | • Building drawing and Calculation report  
                             • Part List - total amount and dimensions of wall, floor, roof panels  
                             • Finishing elements (anchors, roof, windows, doors, electrical, etc.) |
| Calculate - Total Project Cost | Engineering + manufacturing + construction + finishing |
UNIQUE ADVANTAGES OF AIRCRETE BUILDING SYSTEM

- Light and easy installation
- Reduced time and labor requirements
- Large format prefab panels
- SUPER SMOOTH surfaces = no plastering
AIRCRETE INDUSTRIAL SOLUTION

With only 25% of traditional concrete panel weight, Aircrete panels allow for easy handling, reduced construction time and effective labor allocation due to their simple installation system.

Aircrete prefab panels are a perfect solution to construct large scale commercial and industrial buildings. From giant distribution centers to modern shopping malls, Aircrete walls protect valuable goods as they are a proven firewall solution.

Unsurpassed fire protection
Aircrete wall panels do not burn, maximizing safety and reducing insurance costs

Concrete - 150 mm wall thickness
Aircrete - 150 mm wall thickness
The AIRCRETE Building System is an established modular construction concept that uses reinforced prefabricated AAC panels and specials to create customized housing solutions. Precise product dimensions, load-bearing capacities, ease of handling and light weight contribute to a superior building technique with AAC panels.

ALL ELEMENTS MADE IN ONE AIRCRETE FACTORY

FLOOR AND ROOF PANELS
- Superior natural insulation
- Light and strong (load-bearing)

WALL PANELS
- Excellent fire resistance
- Exact fit on site (no waste)

PARTITION PANELS
- Time and cost efficient installation
- Easy finish

CLADDING PANELS
- Extra light facade structure
- Thickness 37-50mm
- Customized profile design

LINTELS
- High load-bearing capacity
- Versatile application (up to 3m long)

NORMAL BLOCKS
- 50-500mm thickness
- 300-800 kg/m³ density

ROUNDED BLOCKS
- Flexibility in design
- Creativity in application

ONE-STOP-SHOP FOR ALL CONSTRUCTION NEEDS