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Master Builders Solutions from BASF

The Master Builders Solutions brand combines all of BASF’s expertise to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of BASF construction experts forms the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and on the experience gained from countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make your project successful and drive sustainable construction.

Our comprehensive portfolio

- Concrete admixtures
- Cement additives
- Chemical solutions for underground construction
- Waterproofing solutions
- Sealants
- Concrete repair and protection solutions
- Performance flooring solutions
- Performance polymer emulsions
- Performance fireproofing products
- Performance grouts
- Performance cement
- Performance cementitious materials
- Performance concrete reinforcement
- Performance concrete admixtures
- Performance concrete admixtures for industrial and commercial applications
- Performance concrete admixtures for underground construction
- Performance concrete admixtures for sand and gravel in concrete
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The 4 Values Concept applied to Aerated Autoclaved Concrete

Process optimization and improvement of product quality

1. Economics
   - Selection of the raw materials
   - Compressive strength (MPa)

2. Performance
   - Improved plant profitability
   - Reduced transportation costs
   - Faster production and increased throughput

3. Aesthetics
   - Fewer rejections
   - Superior quality of the finished elements

4. Durability
   - Reduced shrinkage of the blocks
   - Thanks to the lower moisture content

Cost saving in the precuring phase.

In the precuring phase of AAC production, setting and expansion of the cake, demolding, cutting, autoclaving, till palletizing and transportation to the customer. We offer solutions that address the 4 Values important for AAC producers which are:

- Reduced time optimize the rheology of the fresh concrete. The result of the cake, demolding, cutting, autoclaving, till palletizing and transportation to the customer. We offer solutions that address the 4 Values important for AAC producers which are:

- Reduced transportation costs thanks to the lower moisture content
- Faster production and increased throughput of the plant
- Reduced shrinkage of the blocks

Precuring phase

Selection of the raw materials

- Compressive strength (MPa)
- Selection of the raw materials
- Reduced transportation costs
- Faster production and increased throughput

Cutting and autoclaved phase

- Reduced transportation costs
- Faster production and increased throughput

Auxiliaries for Manufactured Concrete Products (MCP)

MasterCast Offers Numerous Benefits for the Whole Production Process

Our customer approach

At Master Builders Solutions we have a specific customer approach which is an integral part of the 4 Values concept. In cooperation with the manufacturer our experts visit AAC plants and analyze the potential solutions for process optimization and for the quality improvement of the finished elements. Tailor-made solutions can then be developed in our R&D laboratories simulating AAC production processes.

Cost saving and higher sustainability in the raw materials

- Reduced shrinkage of the blocks
- Thanks to the lower moisture content

MasterFinish

A full range ofrics

- For recommendations regarding compatibility with other chemicals or building materials, please consult your local BASF Technical Advisor.

Contact us!

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