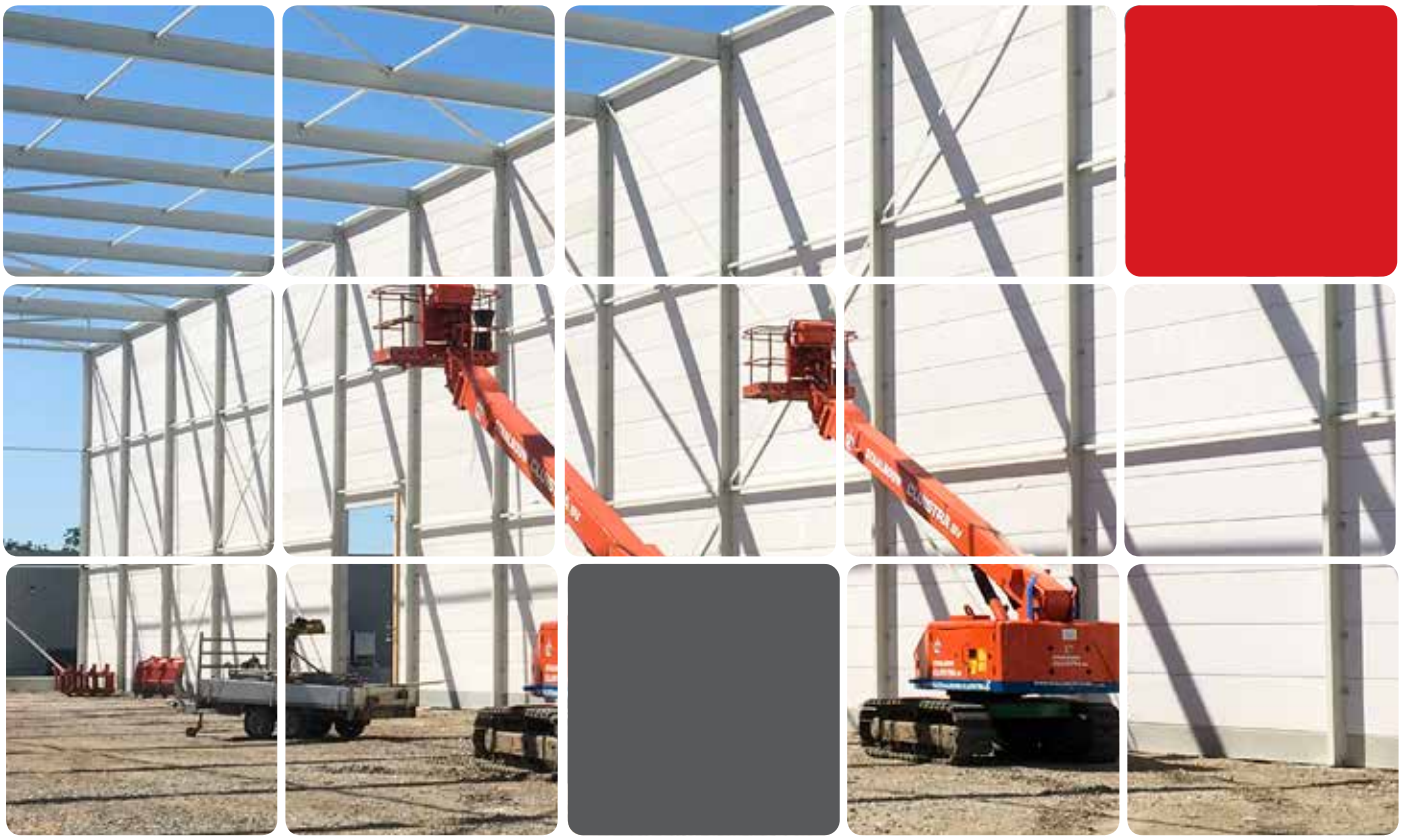
AAC INDUSTRIAL PANELS

GREAT VARIETY OF AAC PRODUCTS



AIRCRETE EUROPE | PRODUCT PORTFOLIO

AIRCRETE EUROPE

PANELS
INDUSTRIAL WALL PANELS

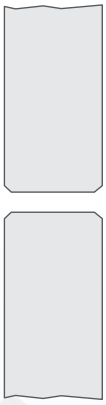
Aircrete industrial Wall Panels are the perfect solution to construct large scale commercial and industrial buildings. They also pioneer the building materials market when it comes to practical and durable construction. From giant distribution centers to new shopping malls, Aircrete Wall Panels protect valuable goods due to their outstanding strength and low heat absorption. **These prefab wall panels are also a proven firewall solution, superior to any alternative building material**.

With only 25% of conventional concrete panel weight, Aircrete Wall Panels allow for easy handling, reduced installation time and effective labor allocation due to their simple installation system. The SUPER SMOOTH surface of the wall panels adds to an easy and attractive finish.

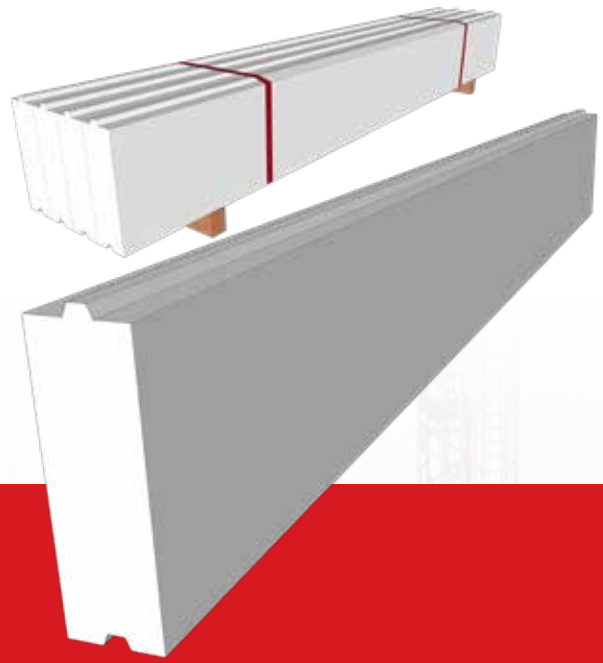
- **Length up to 8m / 24ft (standard up to 6m / 20ft)**
- **Easy and fast installation**
- **High load-bearing capacity**
- **Perfect solution for industrial firewalls**

FRONT SIDE
FLAT

LENGTH SIDE
FLAT



MIDDLE PROFILE



SUPERIOR NATURAL INSULATION
NO WASTE ON-SITE
OUTSTANDING FIRE PROTECTION
HIGH PRODUCT DIMENSION ACCURACY

PANELS
INDUSTRIAL WALL PANELS

DIMENSIONS AND TECHNICAL SPECIFICATIONS

	DENSITY		
	A-400	**A-500**	**A-550**
THICKNESS (mm):	125 - 500	125 - 500	125 - 500
LENGTH (mm):	≤6000	≤6000	≤6000
HEIGHT (mm):	600 - 750	600 - 750	600 - 750
AVERAGE COMPRESSIVE STRENGTH:	2,0 N/mm^2	3,5 N/mm^2	4,5 N/mm^2
THERMAL CONDUCTIVITY (λ-LAMBDA):	0,09 W/mK	0,12 W/mK	0,13 W/mK
SHRINKAGE DUE TO DRYING:	Does not exceed 0.20 mm/m		
DRY MASS:	400 kg/m^3	500 kg/m^3	550 kg/m^3
DESIGN WEIGHT INCL. REINFORCEMENT:	465 kg/m^3	570 kg/m^3	625 kg/m^3
TRANSPORT WEIGHT INCL. REINFORCEMENT:	600 kg/m^3	740 kg/m^3	810 kg/m^3

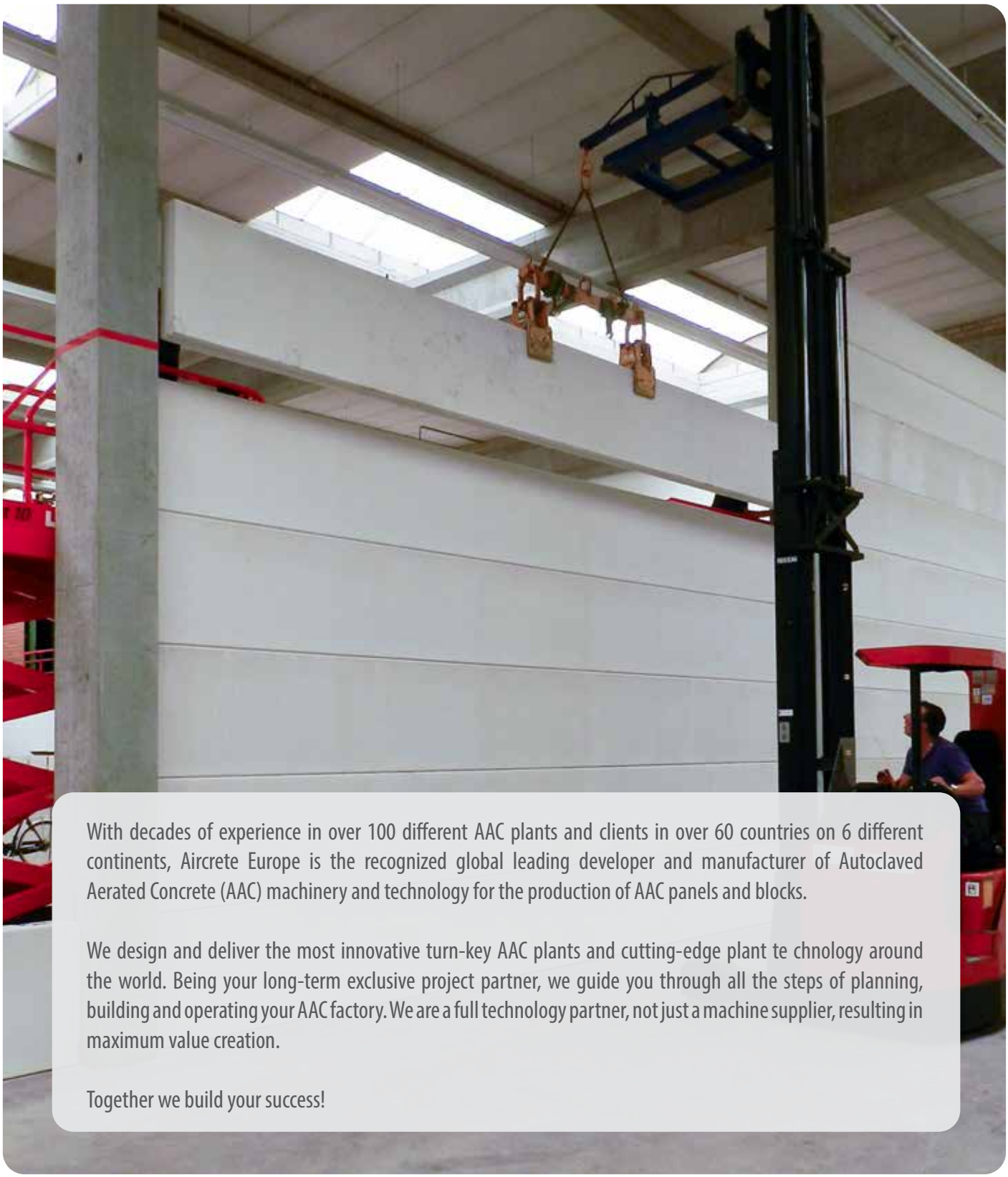
Dimensional accuracy: as per EN12602.

UNSURPASSED FIRE RATING

Aircrete Wall Panels when used as firewalls, substantially outperform its alternatives, such as concrete wall elements. For example, a 15 cm thick firewall made of AAC can withstand up to 6 hours of direct fire exposure. **Aircrete Wall Panels do not burn**, they are classified as non-combustible, having a **Euroclass of A1 (the highest possible) and have a 'class 0' (zero) surface spread of flame**.

Installing Aircrete Wall Panels significantly improves operational safety when it comes to protection against fire. **Industrial warehouses**, **storage areas**, **logistics centres** and **all other constructions** benefit significantly from Aircrete's excellent fire protection properties. Standard AAC firewalls can withstand temperatures of **up to 1200°C (2200°F) at least for 4 hours**.

Note: Fire resistance properties of Aircrete firewalls depend on product thickness and finishing type. Values can be found in the following regulations from Europe and USA: BS EN 1996-1-2, DIN 4102-4 and ASTM E-119.



With decades of experience in over 100 different AAC plants and clients in over 60 countries on 6 different continents, Aircrete Europe is the recognized global leading developer and manufacturer of Autoclaved Aerated Concrete (AAC) machinery and technology for the production of AAC panels and blocks.

We design and deliver the most innovative turn-key AAC plants and cutting-edge plant te chnology around the world. Being your long-term exclusive project partner, we guide you through all the steps of planning, building and operating your AAC factory. We are a full technology partner, not just a machine supplier, resulting in maximum value creation.

Together we build your success!

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