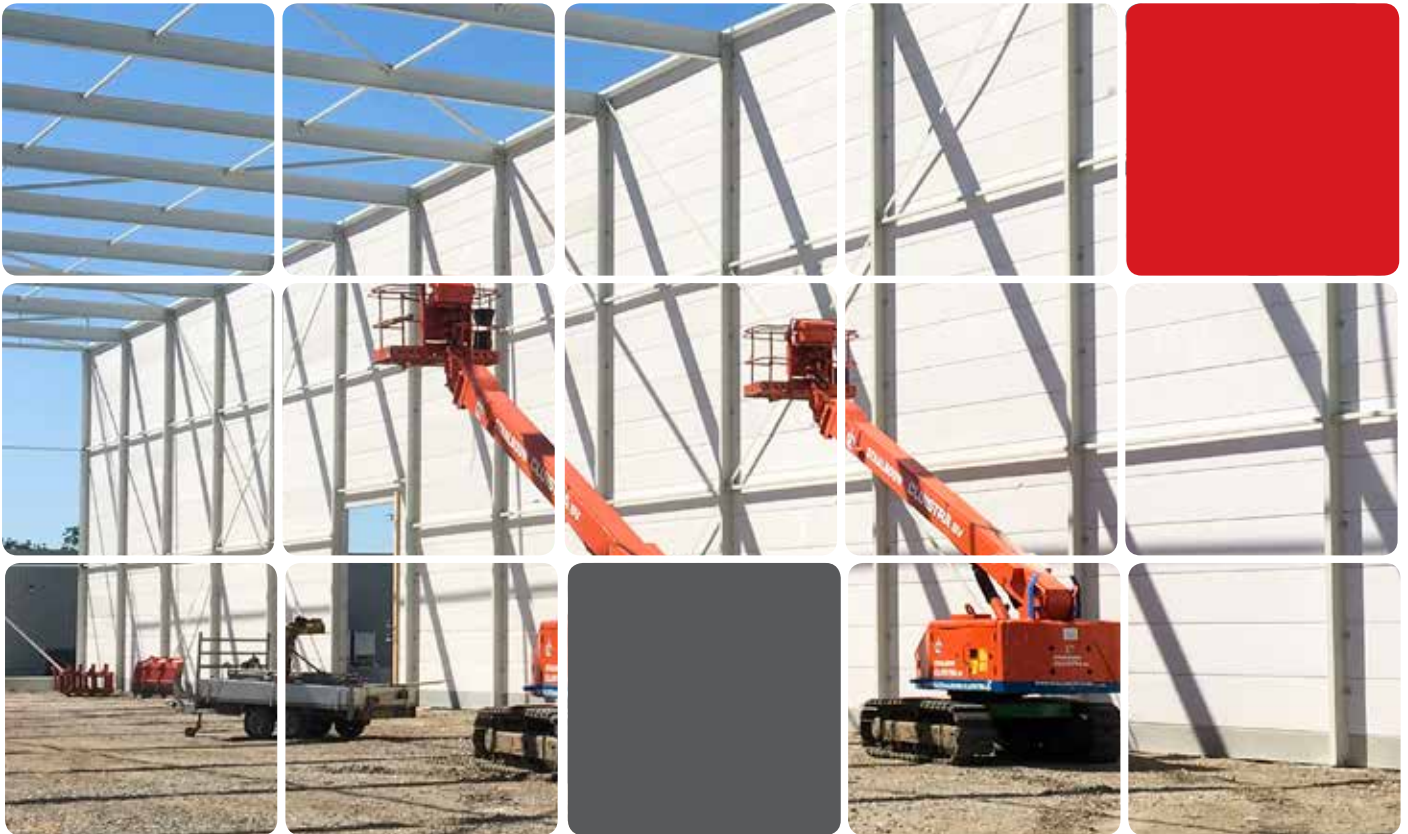


AAC INDUSTRIAL PANELS

**GREAT
VARIETY
OF AAC
PRODUCTS**



AIRCRETE EUROPE | PRODUCT PORTFOLIO

PANELS

INDUSTRIAL WALL PANELS

Aircrete prefab Wall Panels are a 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 walls protect valuable goods due to their outstanding strength and low heat absorption. Therefore, **the panels are also a proven firewall solution, superior to any alternative building material.**

With only 25% of traditional concrete panel weight, Aircrete 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.

- **Standard length of up to 6 meters**
- **Easy and fast installation**
- **High load-bearing capacity**
- **Perfect solution for industrial firewalls**



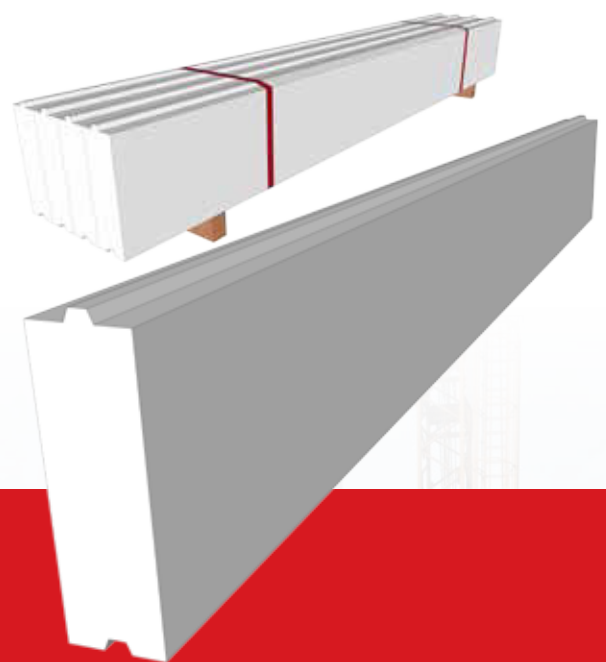
FRONT SIDE
FLAT



LENGTH SIDE
FLAT



MIDDLE PROFILE



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



DIMENSIONS AND TECHNICAL SPECIFICATIONS

	DENSITY		
	A-400	A-500	A-600
THICKNESS (mm):	150 - 500	150 - 500	150 - 500
LENGTH (mm):	≤6000	≤6000	≤6000
HEIGHT (mm):	600 - 750	600 - 750	600 - 750
AVERAGE COMPRESSIVE STRENGTH:	2,2 MPa	3,5 MPa	4,8 MPa
THERMAL CONDUCTIVITY (λ-LAMBDA):	0,11 W/mK	0,13 W/mK	0,16 W/mK
SHRINKAGE DUE TO DRYING:	Does not exceed 0.20 mm/m		
DRY MASS:	400 kg/m ³	500 kg/m ³	600 kg/m ³
DESIGN WEIGHT INCL. REINFORCEMENT:	425 - 475 kg/m ³	525 - 575 kg/m ³	625 - 675 kg/m ³
TRANSPORT WEIGHT INCL. REINFORCEMENT:	575 - 615 kg/m ³	675 - 715 kg/m ³	775 - 815 kg/m ³

Dimensional accuracy: as per DIN 4166 and DIN 4223 standards.



UNSURPASSED FIRE RATING

Aircrete firewall panels substantially outperform its alternatives, such as concrete wall elements. For example, a 15 cm thick firewall made of Aircrete 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 firewalls significantly improves operational safety when it comes to protection against fire. **Industrial warehouses, storage areas, logistics centres and other constructions** benefit significantly from Aircrete's excellent fire protection properties. Standard Aircrete firewalls can withstand temperatures of **up to 1200°C at least for 4 hours**.

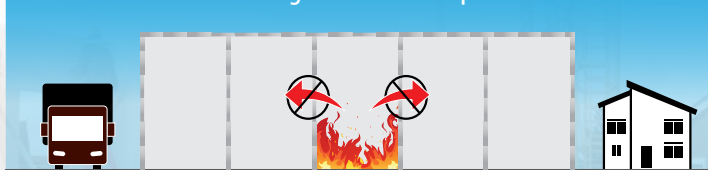
Note: Fire resistance properties of Aircrete firewalls depend on product thickness and finishing type. Values can be found in following regulations from Europe and USA: BS EN 1996-1-2, DIN 4102-4 and ASTM E-119.

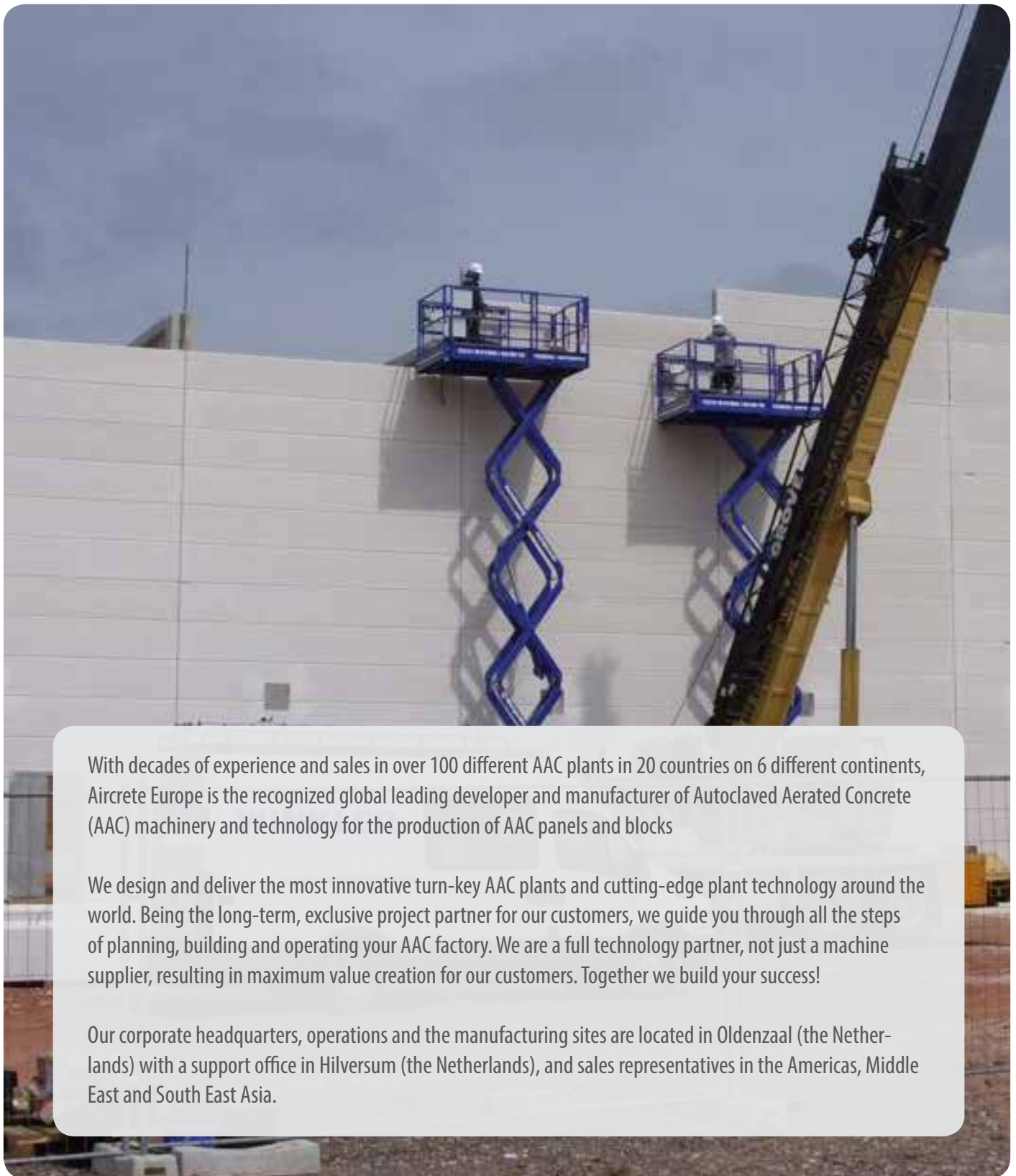


Fire distribution in building without AAC wall panels



Fire distribution in building with AAC wall panels





With decades of experience and sales in over 100 different AAC plants in 20 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 technology around the world. Being the long-term, exclusive project partner for our customers, 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 for our customers. Together we build your success!

Our corporate headquarters, operations and the manufacturing sites are located in Oldenzaal (the Netherlands) with a support office in Hilversum (the Netherlands), and sales representatives in the Americas, Middle East and South East Asia.



Aircrete Europe
Münsterstraat 10
7575 ED Oldenzaal
The Netherlands

Tel: +31 (0) 541 571020
Email: info@aircrete.com
www.aircrete.com