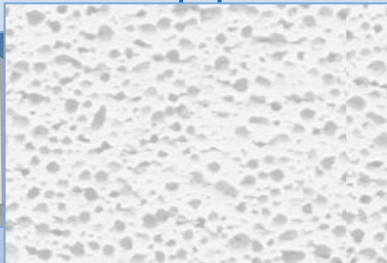


eaaca's views on EU policies

- eaaca enthusiastically supports the move towards nearly zero-energy buildings through the Energy Performance of Buildings Directive (EPBD) and the new Energy Efficiency Plan. Clear energy savings and CO₂ emissions reduction targets are needed, but some flexibility should be granted as to the approach, taking into account local climatic conditions and architectural diversity.
- eaaca welcomes the EU's frontrunner role in climate adaptation policies and is continuously committed to developing ideal and resilient building structures to face current and future needs.
- eaaca is concerned with a product-based approach to energy and resource efficiency in the case of construction products, as envisaged in the revision of the Eco-Design Directive. A holistic approach is required, since energy performance mainly relates to construction systems, not only products.



- eaaca has long been engaged in optimising the reuse and recycling of construction and demolition waste.
- eaaca favours clear and fair conditions to ensure a well-functioning and safe internal market for construction products.

“The sustainable management of precious resources such as energy and raw materials is a key challenge for the EU, particularly in buildings.

Thanks to its sound product characteristics, autoclaved aerated concrete can achieve a considerable reduction of CO₂ emissions and more sustainable patterns for construction and housing.”

Jos Cox, President of EAACA

Autoclaved Aerated Concrete offers you...

- Low environmental impact
- High resource efficiency
- High energy efficiency
- Excellent fire resistance
- Outstanding structural performance

Contact



Kochstr. 6-7
10969 Berlin
Germany

Tel: +49 (0)30 25928214
Fax: +49 (0)30 25928264
E-mail: info@eaaca.org

www.eaaca.org



Autoclaved Aerated Concrete:

*Nearly zero-energy buildings...
for nearly all climates!*



EUROPEAN AUTOCLAVED AERATED
CONCRETE ASSOCIATION

ASSOCIATION EUROPÉENNE DES FABRICANTS
DE BÉTON CELLULAIRE

VERBAND DER EUROPÄISCHEN
PORENBETONINDUSTRIE

EUROPEJSKIE STOWARZYSZENIE
PRODUCENTÓW AUTOKLAWIZOWANEGO
BETONU KOMÓRKOWEGO

As Campaign Associate, eaaca supports the Sustainable Energy Europe campaign to change the landscape of energy



eaaca in figures...



The European Autoclaved Aerated Concrete Association (eaaca) was established in **1988** to promote the interests of producers of autoclaved aerated concrete (AAC) and their national

associations across all of Europe.

eaaca's members operate more than **100** production sites in **18** countries.

In 2010, about **16 million** m³ of AAC was produced, from which **330,000** residencies can be built.



Aerated... what?

Autoclaved aerated concrete (AAC), also called *aircrete* in the UK, is a very strong but lightweight and easy to use construction material, which is best suited for exterior and interior environments alike.

AAC has been produced for **more than 70 years** and it is currently marketed in **all EU Member States**.

Aerated concrete is cured in a **pressurised steam chamber**, known as an autoclave, which gives AAC its strength.



Why choosing AAC?

For the environment...

- **AAC is produced from natural and abundant raw materials** - lime, fine sand, other siliceous materials, water and a small amount of aluminium powder - plus cement.
- **AAC reduces the need for other resources** - AAC usually does not need to be combined with insulation materials in buildings, so it is extremely resource and cost-effective.
- **Construction and demolition waste is predominantly reused or recycled** - AAC manufacturers have taken on a voluntary commitment to recover separated and sorted AAC waste from construction and demolition sites for recycling and reuse. Where AAC waste is sent to landfill, its environmental impact is minor since it contains no toxic substances.
- **The use of energy is minimised in production** - Manufacturing AAC requires less energy (and thus creates less CO₂ emissions) than for all other masonry products.
- **Emissions from transport are lower** - AAC is up to five times lighter than concrete and two to three times lighter than clay products, leading to lower CO₂ emissions during transport.
- **Major energy savings are achieved in the use phase** - AAC's excellent thermal efficiency makes a major contribution to environmental protection by sharply reducing the need for space heating and cooling in buildings.



... And for your comfort

- **You achieve important savings on your energy bill** - AAC buildings have a lower need for space heating and cooling.
- **Your building is ideally protected against fire** - AAC can resist even intense heat and fulfils all fire safety standards.
- **You are best prepared for possible natural disasters and extreme weather events** - AAC has an extremely high strength-to-weight ratio and is stable, making it the construction material of choice for all buildings including in earthquake zones.
- **You enjoy a comfortable living environment** - AAC has excellent sound insulation properties compared to other materials with the same weight.

The ideal choice for nearly zero-energy buildings

As from 2020, nearly zero-energy buildings will become the rule for new buildings in the EU.

Opting for AAC is making the right choice to meet this challenge. Our material's cellular structure gives it a thermal efficiency **10 times higher** than that of aggregate concrete and two to three times better than clay products. Consequently, buildings made of AAC are warm in winter and cool in summer.

With buildings accounting for 40% of the EU's energy requirements, greater use of AAC, both in construction and renovation, offers an **immediate solution to cutting the energy consumption** of residential and non-residential buildings.

AAC's excellent inherent thermal insulation properties also reduce the need for **additional insulation materials**. AAC manufacturers have been instrumental in developing **low or very low energy houses**, including passive houses.

