PRODUCT CATALOG

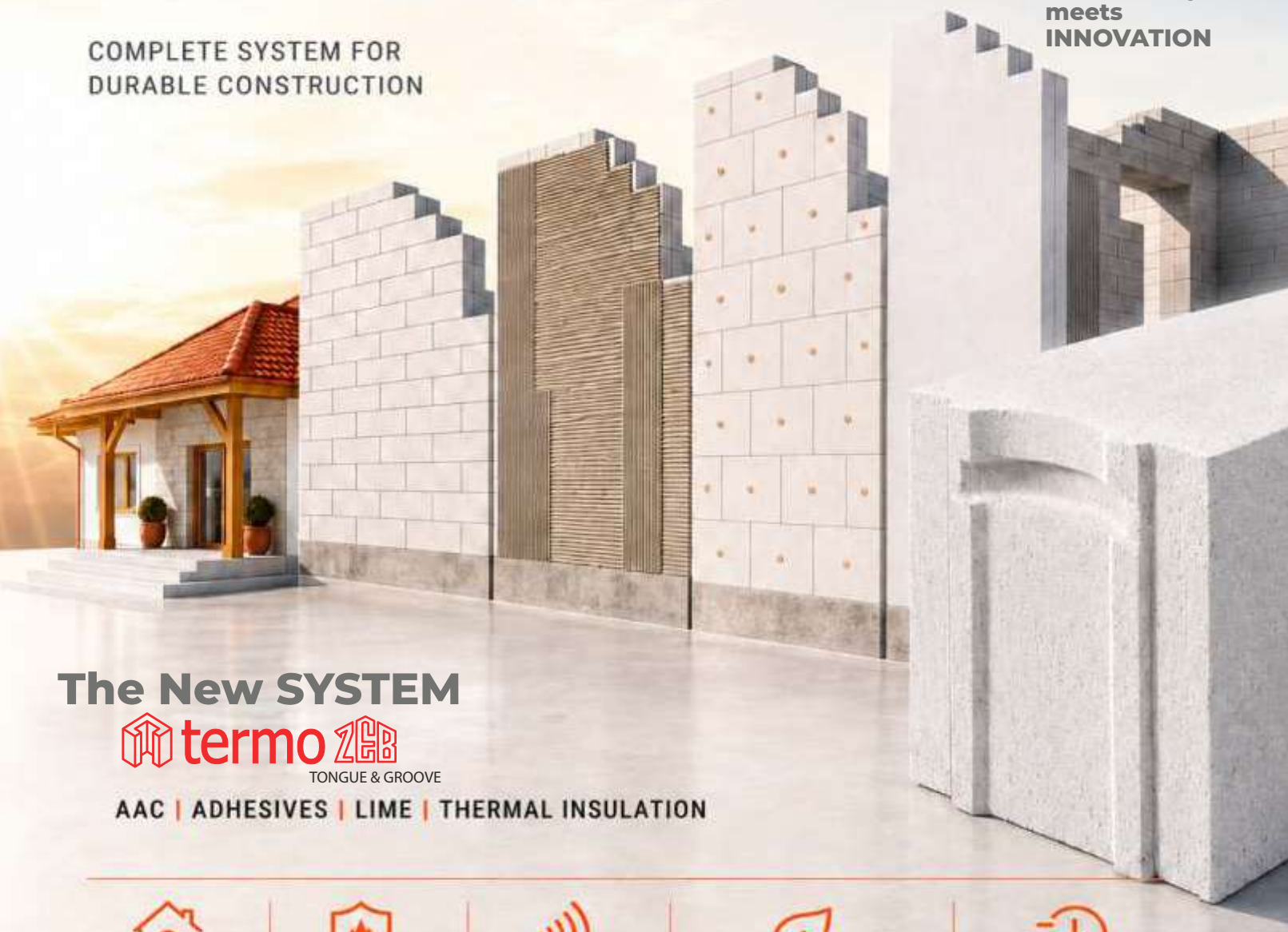
WE BUILD PERFORMANCE. FOR PEOPLE.

CELCO

MODERNIZED PLANTS. ADVANCED PRODUCTS.

When masonry meets INNOVATION

COMPLETE SYSTEM FOR DURABLE CONSTRUCTION



The New SYSTEM termo ZEB

TONGUE & GROOVE

AAC | ADHESIVES | LIME | THERMAL INSULATION

ENERGY EFFICIENCY

FIRE SAFETY

ACOUSTIC COMFORT

SUSTAINABILITY & RESPONSIBILITY

FAST INSTALLATION

www.celco.ro

BUILT FOR THE FUTURE.



CONTENTS

Introduction	p. 4
Tradition and innovation	p. 6
AAC	p. 8
The AAC recipe	p. 9
AAC product range	p. 10
Innovation	p. 12
Premium range benefits	p. 14
Izomineral	p. 18
The CELCO Wall	p. 22
BIM	p. 29
Applications and sizes	p. 33
Lintels	p. 34
Adhesives	p. 36
Lime	p. 38
Sustainability	p. 44
Building responsibly	p. 48



ENTS

Parteneri Strategici

PRO BCA

CLUSTER pRO nZEB

BEST MANAGED COMPANIES

CAMERA DE COMERȚ INDUSTRIE ȘI NAVIGAȚIE

FRC

FRT

When masonry meets innovation.

The CELCO plant has entered a new stage of development, where tradition and technology have come together to redefine industry standards. With over half a century of experience, the company remains a benchmark in AAC production, consistently delivering reliable solutions valued by the market. Today, through an extensive modernization process, CELCO is integrating state-of-the-art equipment and technologies, optimizing every stage of manufacturing. The result is a higher level of precision, consistency and performance, adapted to today's construction requirements.



Strategic investment: €30 million

The modernization process is backed by a total investment of 30 million euros, of which 20 million is directed to the CELCO plant in Constanța and 10 million to the recently acquired unit in Călărași. This expansion strengthens production capacity and lays the groundwork for sustainable development based on modern technology and integrated infrastructure.

Optimized flow = fewer errors

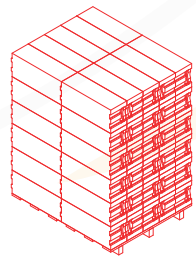
New equipment and reorganized production flows allow much tighter control of every stage. Automation and continuous monitoring reduce variation and eliminate errors, ensuring highly repeatable quality. In a field where precision is essential, an optimized flow means more uniform products, more predictable lead times and greater efficiency in use.

Less CO_2, more responsibility

Modernization also brings significant sustainability benefits. The proximity of the lime plant reduces transport



needs, while steam recovery systems improve energy efficiency. In addition, advanced metering systems allow precise monitoring of the resources used, optimizing consumption and reducing the carbon footprint of the production process.



Optimized pallet, maximum efficiency

A more compact pallet brings direct benefits across the entire logistics chain. Transport becomes more efficient, with more products delivered per load, reducing costs and delivery times. Handling on site is easier and safer, and storage space is used more efficiently. At the same time, the pallet's increased stability helps protect the products, keeping them intact until use.

This transformation is based on a clear vision: combining accumulated expertise with continuous innovation. Every investment is aimed at increasing performance and reducing process variation, so that every product delivered meets the same high standards. At the same time, the new technological flow offers the flexibility to produce blocks both in the standard version and with a tongue-and-groove profile, meeting the different requirements of projects and market preferences. Through this modernization, CELCO not only strengthens its market position but also actively contributes to raising standards in Romania's AAC industry. It is a natural step for a brand that has proven over time that performance is not a one-off goal, but a continuous process of evolution.



Tradition, Innovation and Excellence in Construction: CELCO

With a tradition of over half a century, CELCO has established itself as a national leader in building materials, offering complete and innovative solutions for Romania's construction sector.

Our portfolio

Complete solutions for durable construction.

6 **distinct types of AAC**
adapted to the varied needs of projects

9 **types of adhesives and dry mortars,**
providing complete solutions for masonry and finishes.

3 **types of lime,**
essential for masonry, plastering and other applications.

1 **IZOMINERAL, mineral thermal insulation**
innovation in thermal insulation, manufactured entirely in our own plants.

Tradition

With extensive experience gained over 50 years, the company has consistently shown its commitment to quality and excellence.

Present

Meeting current market demands, CELCO offers efficient, healthy and environmentally friendly products, contributing to sustainable and energy-efficient construction.

Future

The company is taking important steps towards future standards such as NZEB (Nearly Zero Energy Building) and ZEB (Zero Energy Building), ensuring that its products will meet the energy efficiency and sustainability requirements of the coming decades.

Commitment to the Community and Sustainability

CELCO stands out with a carbon footprint of only 143 kg/m3 for AAC, well below the European average of 180 kg/m3, consolidating its position as a pioneer of sustainable construction in Romania and Europe.



The journey of CELCO products

From raw material to durable construction

The quality of a building material starts with the raw material, and CELCO has full control over the entire production process, from limestone extraction to the final product used on site.





An optimized path to excellence

CELCO Quarry – This is where it all begins, with the extraction of high-purity limestone.

CELCO Lime Plant – Strategically built near the quarry for an efficient and sustainable production chain.

Minimal distance between plants – only 34 km apart, with a low environmental impact and consistent quality.

Manufacturing of AAC, thermal insulation and adhesives – All materials are produced locally in modern plants equipped with state-of-the-art technology.

Distribution and installation – Materials reach construction sites quickly, giving builders 100% compatible solutions with minimal waste and maximum efficiency.

Thanks to this fully controlled production flow, CELCO offers premium products made from natural raw materials, perfectly compatible with each other, ideal for durable and energy-efficient construction.









Masonry solutions:
efficient and durable



Autoclaved Aerated Concrete

CELCO AAC is a complete range of autoclaved aerated concrete blocks designed for durable, energy-efficient construction and superior comfort. Easy to work with, with excellent thermal insulation and long-term strength, CELCO AAC is the smart solution for any project.

CELCO AAC PRODUCT RANGE



megaterm

High-performance thermal insulation



megaterm plus

Thermal performance and increased efficiency



termo ZEB

The newest AAC created by CELCO specialists



standard

Ideal balance between performance and affordability



superblock

Superior strength and stability



structoterm

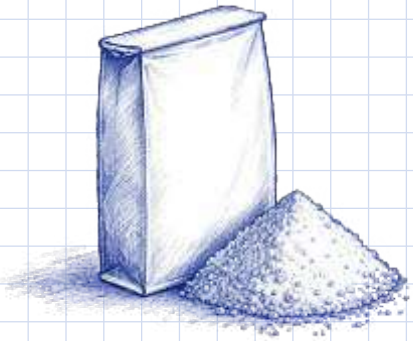
For load-bearing masonry and safe structures



Natural and sustainable material

Excellent thermal insulation

Durability and safety



Recipe AAC

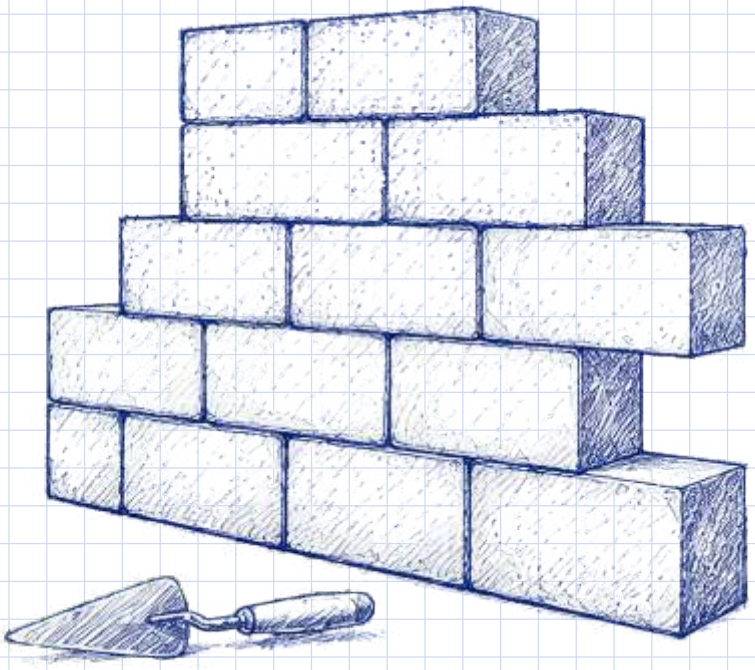
Autoclaved Aerated Concrete

INGREDIENTS

- Sand
- Water
- Cement
- Gypsum
- Lime
- Expanding agent

METHOD

1. All dry ingredients are mixed in a vat until homogeneous.
2. Water and the expanding agent are gradually added while mixing continuously.
3. The mix is poured into metal moulds.
4. The mix is left to rise (expand) fully in a controlled environment for 2–3 hours.
5. The mass is cut into blocks of the required dimensions.
6. The blocks are placed in the autoclave for curing under steam and pressure (approx. 12 bar).



TIPS FOR A SUCCESSFUL WALL

Quality ingredients

use compliant raw materials for an excellent result.

Quality equipment

modern technology ensures a consistent and reliable product.

Experience

over 50 years of know-how and innovation in AAC production in Romania.

Build smart with CELCO AAC.
Durability, efficiency and comfort in every wall.

CELCO

When masonry meets innovation.

Masonry solutions:
efficient and durable

CELCO Premium AAC Range

NEW



High thermal efficiency, optimized dimensions
and easy to handle, for durable and efficient construction

termo ZEB
TONGUE & GROOVE

thermal efficiency	0.10 ± 0.01 W/m°K
density	400 ± 30 kg/m³
compressive strength	Min. 2.5 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	42 - 54.5 dB

APPLICATIONS

Non-load-bearing interior and exterior walls, multi- or single-layer, for framed structures.

Thickness centimetres	15	20	25	30	35	37,5	40
DBa	42	46,5	49	51,5	53	53,5	54,5



megaterm
TONGUE & GROOVE

The best thermal insulation
for walls with maximized
thermal efficiency

thermal efficiency	0.08 ± 0.01 W/m°K
density	300 ± 25 kg/m³
compressive strength	Min. 1.5 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	40 - 52.5 dB

APPLICATIONS

Interior and exterior walls for framed structures.

Thickness centimetres	15	20	25	30	35	37.5	40
DB	40	44	47	49	51	51.5	52.5



megaterm plus
TONGUE & GROOVE

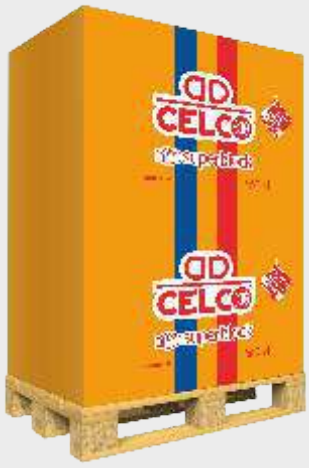
Very good balance between thermal insulation
and compressive strength

thermal efficiency	0.09 ± 0.01 W/m°K
density	350 ± 30 kg/m³
compressive strength	Min. 2 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	41 - 53 dB

APPLICATIONS

Interior and exterior walls, multi- or single-layer, for framed structures.

Thickness centimetres	15	20	25	30	35	37,5	40
DB	41	44,5	48	50	52	52,5	53



superblock
TONGUE & GROOVE

Superior strength and sound insulation

thermal efficiency	0.12 ± 0.01 W/m°K
density	480 ± 30 kg/m³
compressive strength	Min. 3.5 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	44.5 - 56 dB

APPLICATIONS

Exterior (load-bearing) multi- or single-layer walls and high-strength interior walls for improved acoustic comfort.

Thickness centimetres	15	20	25	30	35	37,5	40
DB	44,5	48,5	51	53	54,5	55,2	56



structoterm
TONGUE & GROOVE

Load-bearing structures and the best sound insulation

thermal efficiency	0.15 ± 0.01 W/m°K
density	600 ± 50 kg/m³
compressive strength	Min. 5 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	47 - 57.5 dB

APPLICATIONS

For load-bearing structures in seismic, flood-prone and fire-prone areas.

For high-strength interior walls and improved acoustic comfort.

Thickness centimetres	15	20	25	30	35	37,5	40
DB	47,5	51	53	55	56,5	57	57,5

CELCO Standard AAC Range

standard



thermal efficiency	0.10 ± 0.01 W/m°K
density	400 ± 50 kg/m³
compressive strength	Min. 2.5 N/mm²
reaction to fire	class A1
reduced thermal bridges	80%
sound insulation	42 - 54.5 dB

APPLICATIONS

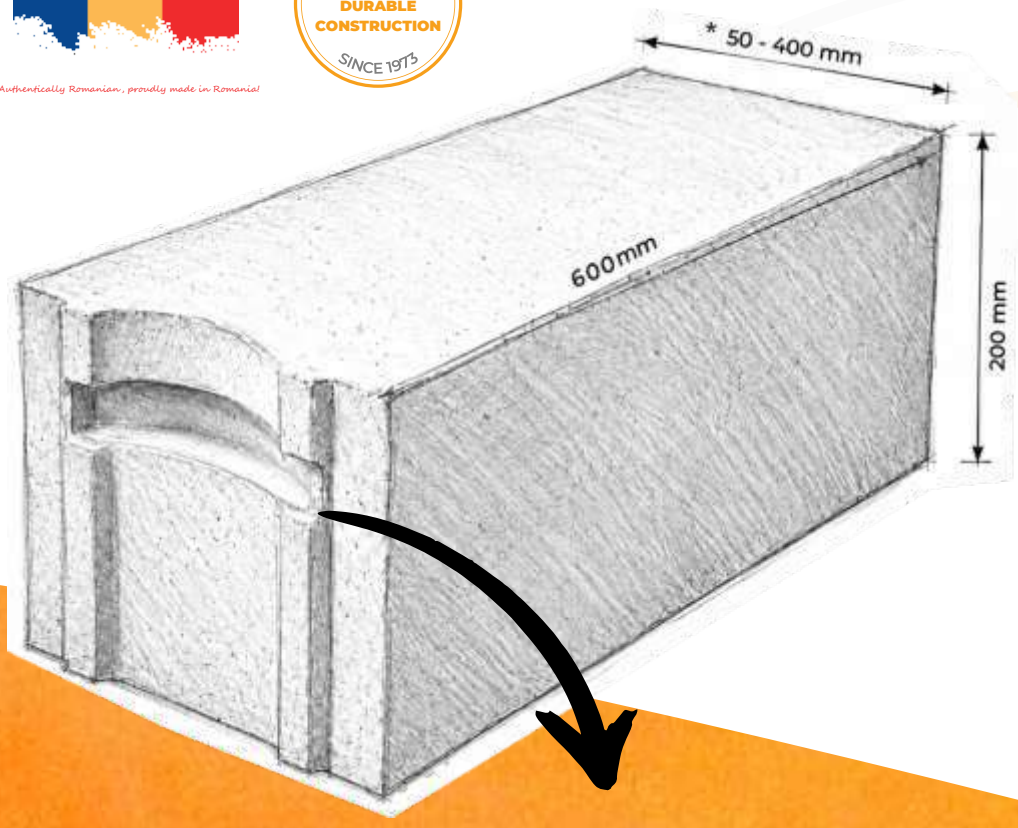
Non-load-bearing interior and exterior walls, multi- or single-layer, for framed structures.

Thickness centimetres	15	20	25	30	35	37,5	40
DB	42	46,5	49	51,5	53	53,5	54,5

Masonry meets INNOV

Authentically Romanian, proudly made in Romania!

MATERIALS FOR DURABLE CONSTRUCTION SINCE 1973



The CELCO Premium AAC range is now available with tongue and groove and handles, an upgrade that brings extra efficiency and comfort to masonry work.

The tongue-and-groove profile ensures a more precise joint and easier alignment of the blocks, helping to achieve quality masonry. The integrated handles make it easier to transport and handle AAC elements, reducing physical effort and installation time on site.

With these advantages, the new CELCO premium range delivers faster, more ergonomic installation and a better experience for both builders and owners.

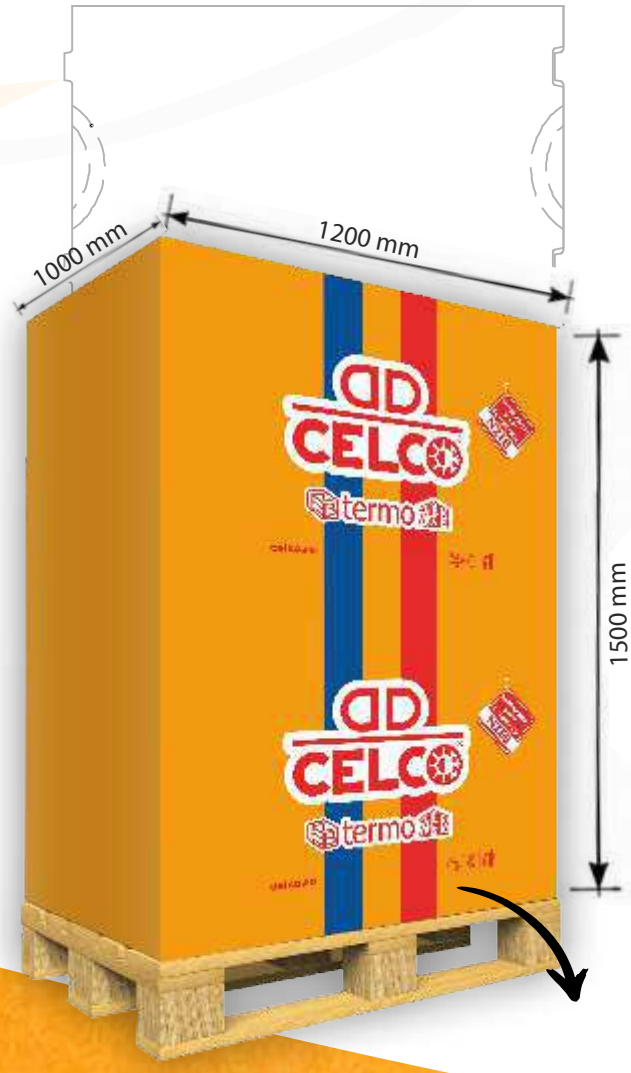
20% fewer emissions CO_2

Handles + Tongue & groove

**for thicknesses over 150 mm*

Thermal insulation | Fire resistance | Fast installation | Dimensional precision | Complete system for masonry

ATION

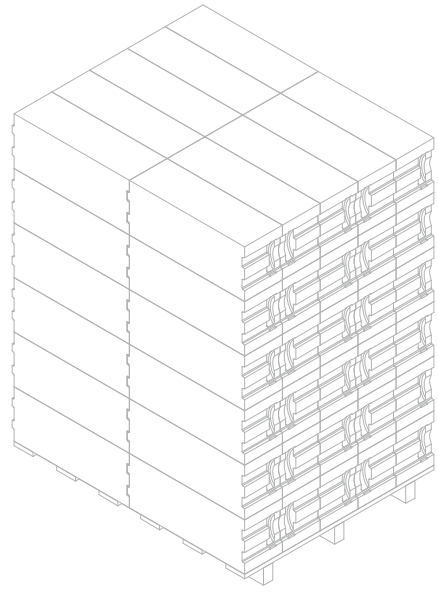


The new CELCO AAC block format (600 × 200 mm) was designed to make both on-site handling and transport easier.

The more compact dimensions make each block easier for builders to lift and position, reducing physical effort and contributing to faster, more ergonomic masonry work.

At the same time, the new format allows the pallet dimensions to be optimized, now with a volume of 1.8 m^3, making it easier to handle with lifting equipment and simpler to store.

The reduced weight of CELCO AAC masonry contributes to a more efficient load distribution on vehicles, optimizing transport costs, with logistical advantages for distributors, builders and end customers.



16 % less weight

AAC CELCO

When masonry meets innovation.

Premium Range Benefits CELCO AAC - termo ZEB

A smart material, created for efficiency, comfort and safety:
benefits you can see in every project



01 Very good thermal insulator

The porous structure ensures energy efficiency, thermal comfort and lower energy bills.

$\lambda = 0.10$ W/m°K

- Exceptional thermal performance
- Reduces heat transfer and energy loss
- Keeps indoor temperature stable, summer and winter



02 Strong

CELCO AAC offers the same strength on all faces and reliable structural behaviour.

- High compressive strength
- Same strength on all faces
  safe installation in any orientation
- Absorbs shocks and vibrations
- Excellent behaviour in seismic areas



03 Acoustic insulator

Reduces outside noise for quiet interiors and superior comfort.

- Significantly reduces noise pollution
- Improves quality of life
- Ideal for homes, educational spaces
  and commercial buildings

CELCO AAC = healthy material

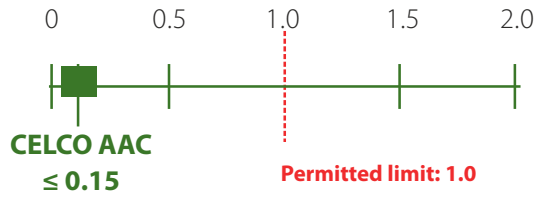
Stable mineral composition
Minimal impact on users' health

Low natural radioactivity

CELCO AAC records very low natural radioactivity index values*, well below the limits permitted in Romania.

* is part of the natural background we are exposed to every day, present all around us.

Radioactivity index I_{rn} according to Order MS 752/2018



Safe material for homes and public spaces.

Natural mineral composition



Water | **Cement** | **Quartz sand** | **Lime** | **Gypsum** | **Aluminium paste**

A mineral, stable and durable material that contributes to a clean and healthy indoor environment.

Non-combustible – full fire protection



Non-combustible Class A1

- Non-combustible material, class A1 – does not burn or sustain combustion
- Does not spread flame or produce toxic smoke – safety for people and property
- Provides extra time for evacuation and intervention
- The ideal solution for homes, schools, hospitals and public buildings

Mineral, safe and durable – CELCO AAC is a healthy choice for efficient, comfortable and safe buildings.

CELCO AAC =

ZERO WASTE ON SITE

Clean execution. Precise cutting. Optimized consumption.

Material waste close to zero

Dimensional calibration and precise cuts reduce material waste and construction costs.

Marking out electrical chases

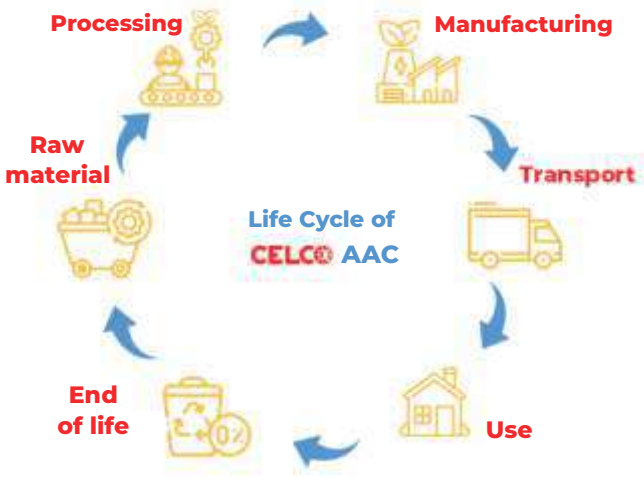
Fast installation of electrical wiring: clean and precise, with no unnecessary chasing.

Easy cutting: precise and fast

CELCO AAC can be easily cut with a saw for clean and fast work.



THE LIFE CYCLE OF AAC



RECYCLABLE

CELCO AAC is fully recyclable, contributing to the circular economy in construction. Material from cutting, sanding or demolition can be returned to the production process, and waste can be turned into aggregates for other uses.

An important step towards reducing the carbon footprint and protecting the environment.

100% recyclable – contributing to a better future.

CELCO AAC =

LIGHTWEIGHT MATERIAL

Reduced load on the structure.
Faster installation.
Easier handling.



REDUCED WEIGHT

Low load on the building's load-bearing structure

FAST INSTALLATION

Easy handling and shorter installation time on site

OPTIMIZED CONSUMPTION

Lower need for auxiliary materials and structural elements.

DRY DENSITY

300 ± 25 kg/m³	350 ± 30 kg/m³	400 ± 50 kg/m³	480 ± 30 kg/m³	600 ± 50 kg/m³	400 ± 30 kg/m³
megaterm Tongue & Groove	megaterm plus Tongue & Groove	standard Tongue & Groove	superblock Tongue & Groove	structoterm Tongue & Groove	termo ZEB Tongue & Groove

CELCO AAC =

100% ROMANIAN

In a market where many building materials are imported, CELCO AAC stands for a 100% Romanian product, manufactured to international standards.

Choosing CELCO AAC means supporting local production, jobs in Romania and durable construction for future generations.



Thermal insulation
solutions:
efficient and safe

INSULATION

izomineral

Mineral thermal insulation for efficient and safe buildings.

High-performance mineral boards made in Romania for thermal comfort, fire safety and durable construction. Izomineral is the non-combustible solution for efficient, healthy and responsible buildings.



Non-combustible. Durable. Efficient
Built for the future.

izomineral

MINERAL THERMAL INSULATION



thermal conductivity 0,050 ± 0,01 W/m°K	superior efficiency	
density 150 ± 10 kg/m³		
compressive strength Min. 0,4 N/mm²	The strongest ETICS system	400 kPa
reaction to fire class A1	100% non-combustible	
thermal bridges reduced by 80%		

IZOMINERAL is the first Romanian brand of mineral boards designed for the natural insulation of concrete structures and masonry.

With a thermal conductivity of only 0.050 W/m°K, IZOMINERAL boards provide excellent thermal insulation, acoustic comfort and fire protection – the ideal choice for sustainable projects. Non-combustible (class A1) and precisely sized, they reduce thermal bridges and contribute to safe, efficient and durable buildings.

IZOMINERAL applications under the new P118

- Contact facades (ETICS)
- Flat roofs
- Technical and industrial insulation
- Homes
- Fire barrier / fire protection systems

- Under the new P118 code, buildings taller than 20 m require a 60 cm non-combustible fire barrier at each floor level.
- For certain building categories, non-combustible insulation materials of Euroclass A1 or A2-s1,d0 are required.



Trafficable roof terrace with photovoltaic panels

BENEFITS

- Superior thermal insulation
- Fire resistance Class A1
- Environmental responsibility
- Dimensional precision
- Compressive strength
- Comfort – breathable walls
- Construction speed
- Certifications / management system

When masonry meets innovation.

Insulation installation steps

izomineral

1 SURFACE PREPARATION

The supporting wall surface must be strong, stable, clean, flat and free of release agents. Any unevenness must be removed mechanically beforehand.



2 PREPARING AND APPLYING THE ADHESIVE

CELCO DD V9 dry adhesive for bonding mineral boards is mixed with clean cold water in the ratio 25 kg powder / 6–6.5 l water and homogenized with an electric mixer. After a standing time of 5–7 minutes, it is mixed again. The adhesive is applied with a notched steel trowel. Indicative consumption: 4–6 kg/m^2.





3 APPLYING IZOMINERAL BOARDS TO THE SUBSTRATE

The boards are installed in a staggered pattern on the wall surface, in horizontal rows. Adhesive is applied both around the edge of the board and in spots. The boards are pressed firmly onto the surface and flatness is checked with a straightedge. Junctions with other parts of the building are made with interlocking boards.





4 ANCHORING THE IZOMINERAL BOARDS

Once the boards are bonded, the adhesive must cure before anchoring. EJOT STR U 2G anchors with metal screws are used, according to board thickness. Installation is carried out according to the technical design specifications and layout.







YouTube How to install izomineral

5 APPLYING THE FIBREGLASS MESH

Fibreglass mesh weighing at least 145 g/m² is used. A first layer of V9 adhesive is spread over the surface and the mesh is pressed into the fresh material, with overlaps of at least 10 cm. A second layer of adhesive is then applied to fully cover the mesh. Corners are protected with mesh corner profiles.



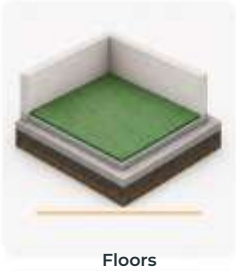



6 RENDERING

A decorative render compatible with IZOMINERAL is applied, depending on the chosen system and finishing requirements. The render is applied evenly and textured according to the manufacturer's instructions.



Application areas


Floors


Slabs


Exterior ventilated facades


Terraces


Attics


Interiors

IZOMINERAL

can be applied to a wide range of building surfaces and structures, both outdoors and indoors.

- High-performance thermal insulation
- Increased fire safety
- Healthy indoor environment
- Vapour permeability
- Reduced thermal bridges

Thanks to vapour permeability, the walls stay dry and breathable, preventing mould and condensation. Class A1 fire resistance and compressive strength contribute to the durability and safety of the building.

THE WALL

COMPLETE SYSTEM

The integrated CELCO solution for efficient and durable building envelopes

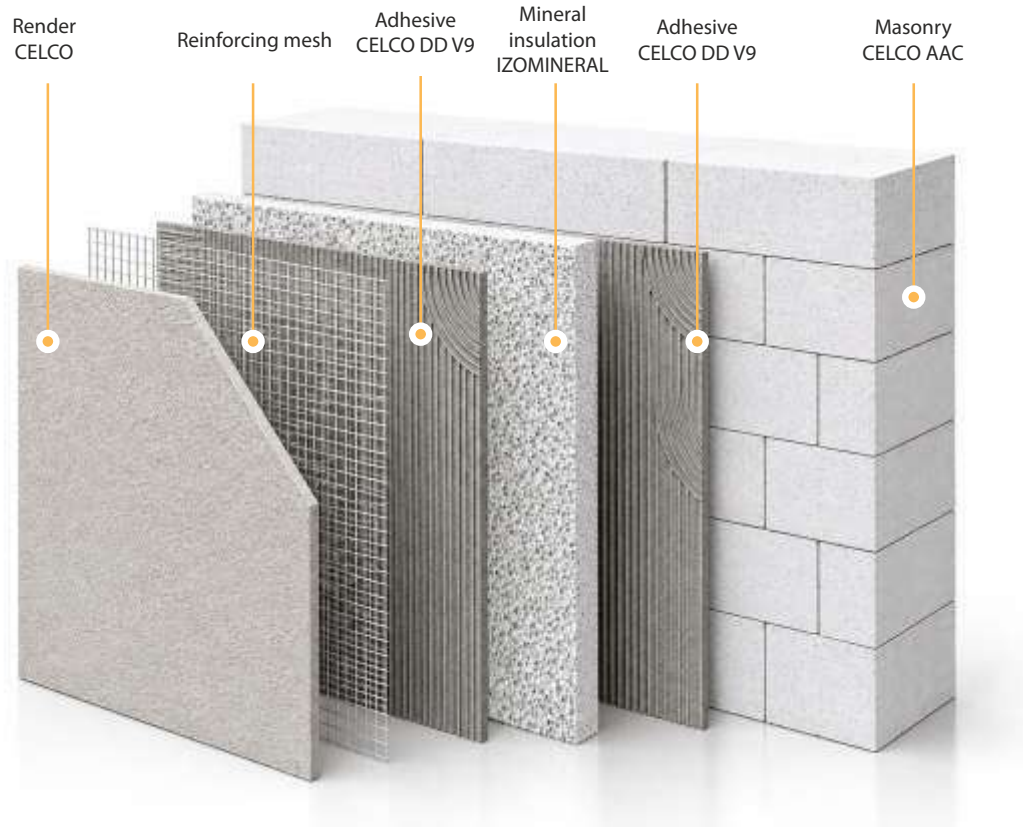


Protection resistance

Efficiency insulation

Long-term durability

Healthy indoor environment



The foundation of a building that is solid, safe and healthy

What is the CELCO Wall?

«The CELCO Wall» is the integrated solution for building envelopes, in which all components, from masonry to finish, are designed to work perfectly together. The result: high thermal performance, durability, fire safety and predictable installation.

What does the system include?

- CELCO AAC – autoclaved aerated concrete masonry: precise, strong and safe;
- CELCO IZOMINERAL elements – mineral boards for thermal insulation and fire protection;
- CELCO DD V9 – compatible adhesive and skim coat for bonding, reinforcing and finishing;
- Reinforcing mesh – for increased resistance to cracking and stress;
- CELCO render / finish – decorative and durable finishing options;

Why a complete CELCO system?

- 100% compatibility between components – all products are tested together for optimal performance;
- Faster, cleaner installation – consistent solutions, efficient work and predictable results;
- High thermal performance – excellent insulation for low energy consumption;
- Reduced thermal bridges – greater comfort and no cold spots;
- Durability and safety – materials resistant to fire, freeze-thaw and mechanical stress;
- Thermal comfort and a healthy indoor environment – «The wall breathes» and contributes to a balanced indoor climate;

The CELCO Wall is more than just masonry – it is an integrated system designed for efficient, durable construction that meets the highest standards.

More than 170 SOLUTIONS for energy-efficient walls - nZEB

Exterior walls - thermal resistance calculation simulation

AAC type	Thickness	Thermal resistance	Density	Thermal conductivity	Insulation	Thickness	Thermal resistance	Density	Thermal conductivity	Wall thermal resistance
megaterm	30 cm	3,92 m^2K/W	300 kg/m^3 ± 25	0,08 W/m°K ± 0,01	izomineral	10 cm	1,82 m^2K/W	150 kg/m^3 ± 10	0,05 W/m°K ± 0,01	5,74 m^2K/W
	35 cm	4,54 m^2K/W				No additional insulation needed				4,54 m^2K/W
	37,5 cm	4,85 m^2K/W				No additional insulation needed				4,85 m^2K/W
	40 cm	5,17 m^2K/W				No additional insulation needed				5,17 m^2K/W

AAC type	Thickness	Thermal resistance	Density	Thermal conductivity	Insulation	Thickness	Thermal resistance	Density	Thermal conductivity	Wall thermal resistance
megaterm plus	30 cm	3,5 m^2K/W	350 kg/m^3 ± 30	0,09 W/m°K ± 0,01	izomineral	10 cm	1,82 m^2K/W	150 kg/m^3 ± 10	0,05 W/m°K ± 0,01	5,32 m^2K/W
	35 cm	4,06 m^2K/W				No additional insulation needed				4,06 m^2K/W
	37,5 cm	4,33 m^2K/W				No additional insulation needed				4,33 m^2K/W
	40 cm	4,61 m^2K/W				No additional insulation needed				4,61 m^2K/W

AAC type	Thickness	Thermal resistance	Density	Thermal conductivity	Insulation	Thickness	Thermal resistance	Density	Thermal conductivity	Wall thermal resistance
termo 25	30 cm	3,17 m^2K/W	400 kg/m^3 ± 30	0,10 W/m°K ± 0,01	izomineral	10 cm	1,82 m^2K/W	150 kg/m^3 ± 10	0,05 W/m°K ± 0,01	4,99 m^2K/W
	35 cm	3,67 m^2K/W								5,49 m^2K/W
	37,5 cm	3,92 m^2K/W								5,74 m^2K/W
	40 cm	4,17 m^2K/W				No additional insulation needed				4,17 m^2K/W

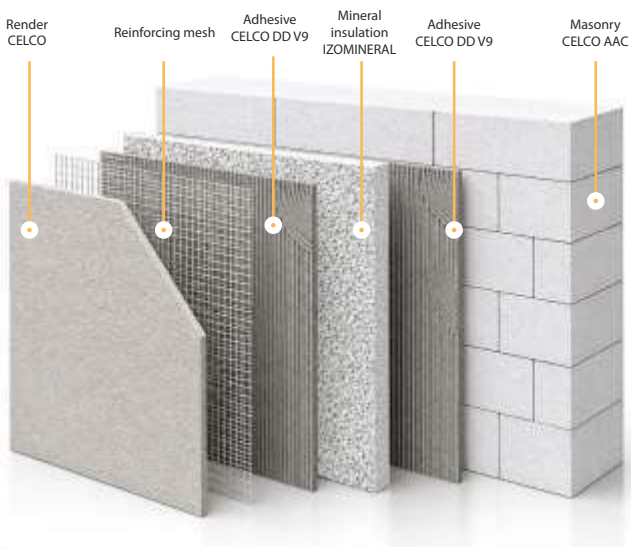
AAC type	Thickness	Thermal resistance	Density	Thermal conductivity	Insulation	Thickness	Thermal resistance	Density	Thermal conductivity	Wall thermal resistance
superblock	30 cm	2,67 m^2K/W	480 kg/m^3 ± 30	0,12 W/m°K ± 0,01	izomineral	10 cm	1,82 m^2K/W	150 kg/m^3 ± 10	0,05 W/m°K ± 0,01	4,49 m^2K/W
	35 cm	3,08 m^2K/W								4,9 m^2K/W
	37,5 cm	3,29 m^2K/W								5,11 m^2K/W
	40 cm	3,5 m^2K/W								5,32 m^2K/W

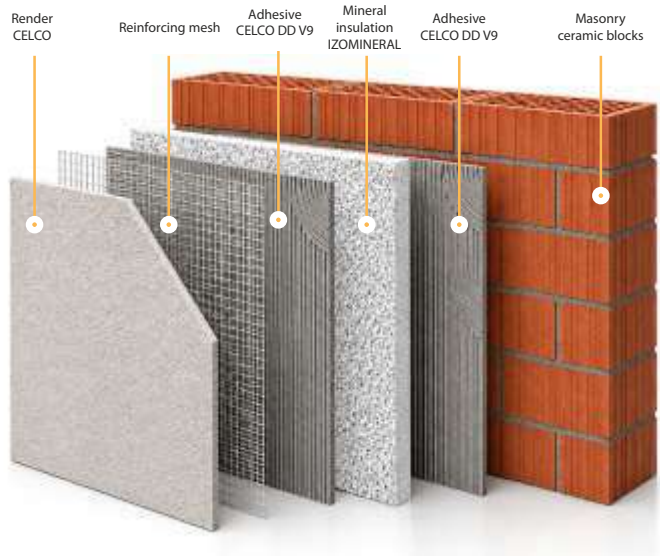
AAC type	Thickness	Thermal resistance	Density	Thermal conductivity	Insulation	Thickness	Thermal resistance	Density	Thermal conductivity	Wall thermal resistance
structoterm	30 cm	2,17 m^2K/W	600 kg/m^3 ± 50	0,15 W/m°K ± 0,01	izomineral	12,5 cm	2,27 m^2K/W	150 kg/m^3 ± 10	0,05 W/m°K ± 0,01	4,44 m^2K/W
	35 cm	2,5 m^2K/W				10 cm	1,82 m^2K/W			4,32 m^2K/W
	37,5 cm	2,67 m^2K/W				10 cm	1,82 m^2K/W			4,49 m^2K/W
	40 cm	2,83 m^2K/W				10 cm	1,82 m^2K/W			4,65 m^2K/W

Automatically calculate all options with the calculator on celco.ro!

You should know that there is a law on the energy performance of buildings: LAW NO. 372/2005. Article 14 of this law provides:

"(1) New buildings whose acceptance upon completion of works is carried out on the basis of building permits issued from 31 December 2020 onwards shall be buildings with nearly zero energy consumption."





CELCO AAC masonry with superior thermal efficiency

MASONRY	MASONRY BLOCK DENSITY	THERMAL CONDUCTIVITY MASONRY MORTAR, THIN JOINT 1-3 MM	INSULATION THICKNESS CELCO IZOMINERAL	λcalcul INSULATION ELEMENT	R (WALL THERMAL RESISTANCE) M²K/W INCLUDES INSULATION BONDING/SKIMMING AND RENDER	Wall thickness
CELCO MEGATERM AAC 35 cm	500kg±25/m³	0,10 ± 0,01 W/m°K	10 cm	0,050 W/m°K	5,58	42,5 cm
CELCO MEGATERM AAC 37.5 cm					5,79	43 cm
CELCO MEGATERM AAC 40 cm			Not needed	-	4.17	47,5 cm

CELCO AAC masonry + CELCO® IZOMINERAL thermal insulation

MASONRY	MASONRY BLOCK DENSITY	THERMAL CONDUCTIVITY MASONRY MORTAR, THIN JOINT 1-3 MM	INSULATION THICKNESS CELCO IZOMINERAL	λcalcul INSULATION ELEMENT	R (WALL THERMAL RESISTANCE) M²K/W INCLUDES INSULATION BONDING/SKIMMING AND RENDER	Wall thickness
CELCO TERMOZEB AAC 25 cm	400kg±30/m³	0,125 W/m°K	10 cm	0,050 W/m°K	4,00	35 cm
CELCO TERMOZEB AAC 30 cm					4,40	40 cm
CELCO TERMOZEB AAC 35 cm					4,80	45 cm
CELCO TERMOZEB AAC 37.5 cm					5,00	47.5 cm

Ceramic masonry + CELCO® IZOMINERAL thermal insulation

MASONRY	MASONRY BLOCK DENSITY	THERMAL CONDUCTIVITY MASONRY MORTAR, NORMAL JOINT	INSULATION THICKNESS CELCO IZOMINERAL	λcalcul INSULATION ELEMENT	R (WALL THERMAL RESISTANCE) M²K/W INCLUDES INSULATION BONDING/SKIMMING AND RENDER	Wall thickness
CERAMIC BLOCKS 25 cm	770 kg/m³	0,254 W/m°K	17.5 cm	0,050 W/m°K	4,34	42,5 cm
CERAMIC BLOCKS 30 cm	850 kg/m³	0,227 W/m°K	15 cm		4,23	45 cm
CERAMIC BLOCKS 38 cm	850 kg/m³	0,223 W/m°K	12.5 cm		4,15	50,5 cm

Calculation formula:

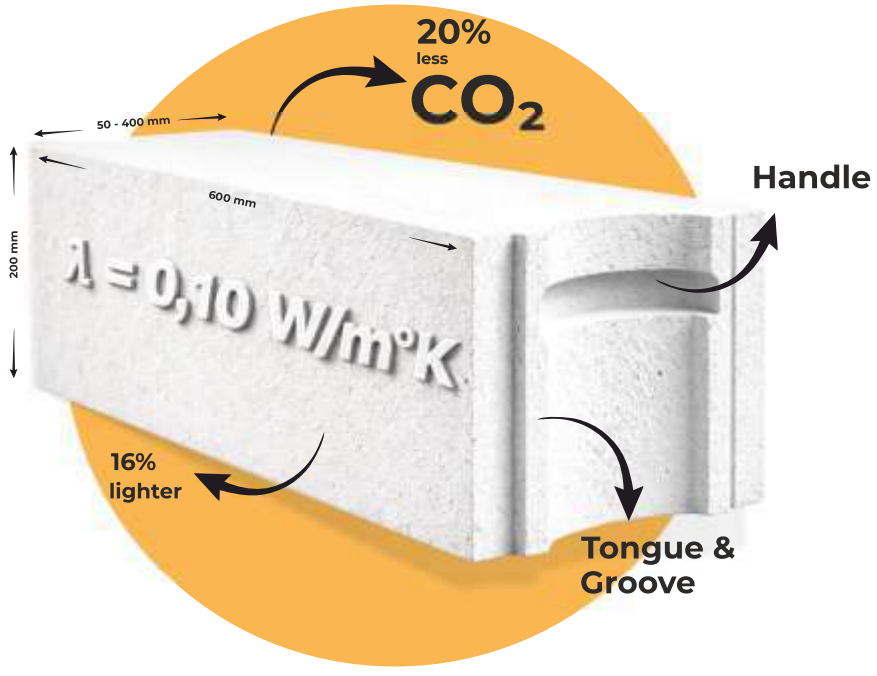
Rwall = Rsi (1/8) + Rse (1/24) + Wall thickness (m) / λwall + Insulation system thickness (m) / λ insulation system +
+ Render thickness (0.005 m) / λ render (0.8 W/m°K) + Insulation system bonding/skimming thickness (2 × 0.003) / λ insulation system render in 2 layers (0.6)

Rse - thermal resistance of the surface air layer on the outer surface of the element
Rsi - thermal resistance of the surface air layer on the inner surface of the element

** The calculation took into account the technical characteristics of CELCO ZID DD-M5 for mortar joints, CELCO TERM DD-V9 for bonding/skimming the insulation system and CELCO TENC DD-MA6 for the render.*

CELCO AAC TECHNICAL SPECIFICATIONS

	termo ZEB Tongue & Groove	standard	megaterm Tongue & Groove	megaterm plus Tongue & Groove	superblock Tongue & Groove	structoterm Tongue & Groove
Applications	Energy-efficient interior and exterior walls for nZEB buildings	Non-load-bearing interior and exterior walls, multi- or single-layer, for framed structures	Thermal insulation for floors, foundations, partition walls, beams and columns	Interior and exterior walls for buildings with enhanced energy efficiency	Exterior multi- or single-layer walls and structures with higher strength requirements	Exterior and interior walls for load-bearing structures, multi- or single-layer
Dry bulk density	400 ± 30 kg/m^3	400 ± 50 kg/m^3	300 ± 25 kg/m^3	350 ± 30 kg/m^3	480 ± 30 kg/m^3	600 ± 50 kg/m^3
Declared thermal conductivity	0.10 ± 0.01 W/m°K	0.10 ± 0.01 W/m°K	0.08 ± 0.01 W/m°K	0.09 ± 0.01 W/m°K	0.12 ± 0.01 W/m°K	0.15 ± 0.01 W/m°K
Compressive strength	Min. 2.5 N/mm2	Min. 2.5 N/mm2	Min. 1.5 N/mm2	Min. 2 N/mm^2	Min. 3.5 N/mm2	Min. 5 N/mm^2
Sound insulation	42 - 54.5 dB	42 - 54.5 dB	40 - 52.5 dB	41 - 53 dB	44.5 - 56 dB	47.5 - 57.5 dB
Reaction to fire	Class A1	Class A1	Class A1	Class A1	Class A1	Class A1





Available sizes and execution options

Constanța Plant - Premium Range

TermoZEB, Megaterm, Megaterm Plus, Superblock, Structoterm

Basic dimensions: length 600 mm, height 200 mm

Available thicknesses (mm)	50	75	100	125	150	200	250	300	350	375	400
Tongue and groove	plain	plain	plain	plain	✓	✓	✓	✓	✓	✓	✓
Handles	—	—	—	—	—	—	✓	✓	✓	✓	✓

✓ Option available — Option not available

The new dimensions for the ranges produced in Constanța are optimized for handling, transport, installation and on-site efficiency. The tongue-and-groove and handle options help make installation faster and more precise.

Călărași Plant - Standard Range

Basic dimensions: length 625 mm, height 240 mm

Available thicknesses (mm)	50	75	100	125	150	200	250	300	350	375	400

Interior walls - Acoustic comfort

AAC type	Thickness	Compressive strength	Thermal inertia	Sound insulation
termo	15 cm	400kg/m³ ± 30	60 kJ/m²·K ± 4,5	42 Db
	20 cm		80 kJ/m²·K ± 6	46,5 Db
	25 cm		100 kJ/m²·K ± 7,5	49 Db

AAC type	Thickness	Compressive strength	Thermal inertia	Sound insulation dB
superblock	15 cm	480 kg/m³ ± 30	72 kJ/m²·K ± 4,5	44,5 Db
	20 cm		96 kJ/m²·K ± 6	48,5 Db
	25 cm		120 kJ/m²·K ± 7,5	51 Db

AAC type	Thickness	Compressive strength	Thermal inertia	Sound insulation dB
structoterm	15 cm	600 kg/m³ ± 50	82,5 kJ/m²·K ± 7,5	47,5 Db
	20 cm		110 kJ/m²·K ± 10	51 Db
	25 cm		137,5 kJ/m²·K ± 12,5	53 Db

COMFORT AND FUNCTIONALITY IN EVERY DETAIL

An interior wall is not just a divider between rooms, but an essential element of a home's comfort. It must provide thermal and sound insulation, maintain a stable indoor climate and be strong enough to support furniture, pictures or wall-mounted units.
To better understand the performance of interior walls, we analyse two key factors: thermal inertia and sound insulation (decibels).



WHAT IS THERMAL INERTIA AND WHY DOES IT MATTER?

Simple explanation:
Think of a tiled stove. It stores heat and releases it gradually, even after the fire has gone out. The same happens with AAC walls – the higher their thermal inertia, the better they maintain the room temperature.

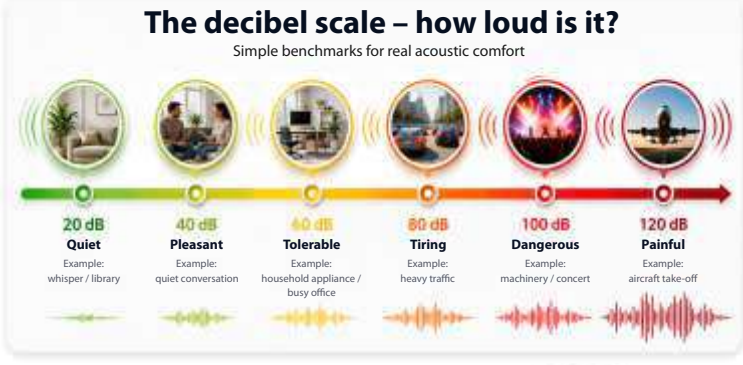
How does it help?

- Energy savings – A wall with high thermal inertia stores heat during the day and releases it in the evening, maintaining a constant temperature.
- Thermal comfort – You don't feel sudden temperature changes, because the walls help regulate heat naturally

A practical example:
In winter you have the radiators on and then turn them off – a wall with high thermal inertia will keep radiating heat, maintaining comfort for longer. By contrast, a thin wall with low thermal inertia cools down quickly.



Wall width mm	megaterm 300±25 kg/m³	megaterm plus 350±30 kg/m³	termo 400±30 kg/m³	standard 400±50 kg/m³	superblock 480±30 kg/m³	structoterm 600±50 kg/m³
	dB					dB
150	40	41	42	42	44,5	47,5
200	44	44,5	46,5	46,5	48,5	51*
250	47	48	49*	49*	51	53
300	49	50	51,5	51,5	53	55
350	51	52	53	53	54,5	56,5
400	52,5	53	54,5	54,5	56	57,5



The thermal inertia of AAC masonry was calculated using the formula:

$$I = \rho \times c \times d$$

I = thermal inertia of the wall (J/m²·K or kJ/m²·K)
ρ = bulk density of the AAC (kg/m³)
c = specific heat of the AAC (J/kg·K)
d = wall thickness (m)



A new way of working
THE BIM LIBRARY



Simplify design, streamline execution, optimize costs – with CELCO BIM.

“Building Information Modelling” (BIM) is revolutionizing the way buildings are designed and built. With the BIM files provided by CELCO, architects, engineers and contractors can quickly integrate masonry and thermal insulation solutions into digital projects, for more precise control, shorter execution times and sustainable results.

Download the BIM library here!

The easiest way to calculate material quantities and thermal resistance for AAC, Thermal insulation, Mortar and Adhesive.

How many AAC blocks are on a pallet?

How thick should the thermal insulation be?

How many bags of mortar do I need?

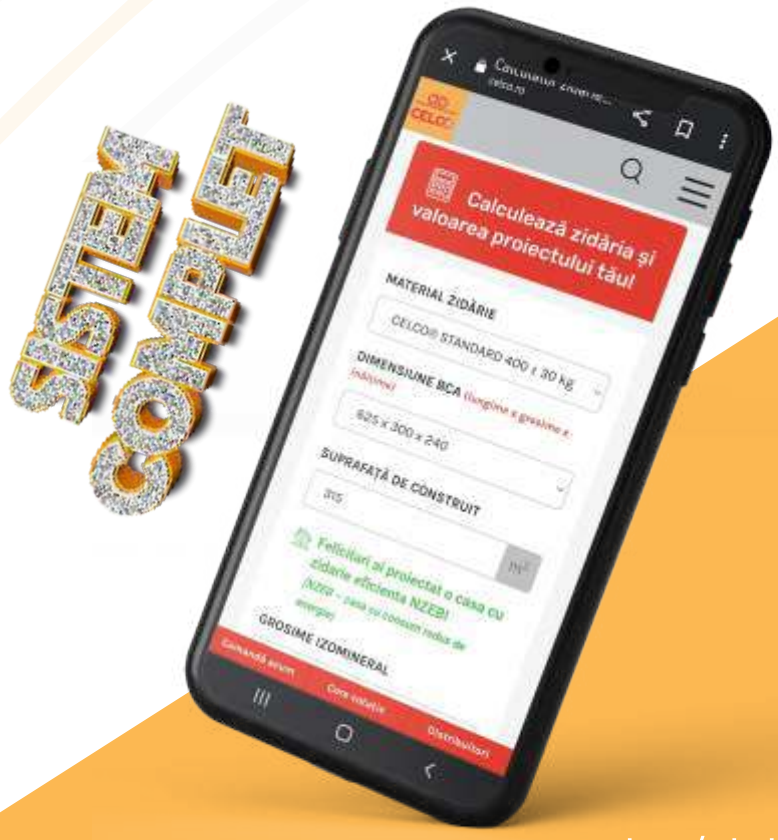
Which adhesive is right for thermal insulation?

Have I reached the NZEB minimum?

How much AAC do I need for 100 sq m at 25 cm thickness?

What thicknesses are available for AAC and for insulation?

If I build with 30 cm AAC, do I get good thermal resistance?



celco.ro/calculator-zidarie-completa

Families choose us, builders understand why.

Walls that shape dreams.

Safety, comfort, trust and durability.

Every building starts with a wish, a dream of living better, working more safely, living in a space that offers peace, balance and protection. The projects that take shape with CELCO materials are, in fact, the stories of these wishes. They are buildings designed for people, built responsibly and made to last.

From houses and villas to residential complexes, hotels, schools or commercial spaces, CELCO AAC is present in thousands of projects across the country. Because performance is not a matter of chance, but of the right choices from the very beginning.

With integrated systems and dedicated technical advice, CELCO supports every stage of construction, from design and execution to finishing, so that the end result means safety, comfort and efficiency in the long term.



Optimization with CELCO systems

Proven performance in every detail

CELCO products and systems are validated in high-performance laboratories and certified to European standards. CELCO AAC, adhesives and mortars work together for superior results, energy efficiency and real durability.

On the following pages, discover some projects built with CELCO AAC.

CELCO solutions in real projects

From energy efficiency to fire protection, CELCO systems meet the requirements of modern construction.

CELCO nZEB speed building model

Examples of AAC + IZOMINERAL applications in energy-efficient masonry solutions. Models designed for efficient, comfortable buildings ready for current standards.

- AAC + IZOMINERAL
- Energy efficiency
- nZEB model






CELCO fire barrier model

Mineral solutions to limit fire spread and protect technical areas. An example of mineral boards used in applications where safety is essential.

- Fire protection
- Mineral boards
- Safety




Applications and sizes
CELCO AAC

Constanța Plant - Premium Range

TermoZEB, Megaterm, Megaterm Plus, Superblock, Structoterm

Thickness (mm)	Size (L x W X H)	Tongue & groove	Handles	No. of blocks / pallet	m3 / pallet	m2 of masonry / pallet	m2 top-up
50	600 x 50 x 200	-	-	240 + 20*	1,8	28.8	2.4
75	600 x 75 x 200	-	-	160 + 20*		19.2	2.4
100	600 x 100 x 200	-	-	120 + 20*		14.4	2.4
125	600 x 125 x 200	-	-	120		14.4	-
150	600 x 150 x 200	✓	-	100		12	-
200	600 x 200 x 200	✓	-	70 + 10**		8.4	1.2
250	600 x 250 x 200	✓	✓	60		7.2	-
300	600 x 300 x 200	✓	✓	50		6	-
350	600 x 350 x 200	✓	✓	40 + 10**		4.8	1.2
375	600 x 375 x 200	✓	✓	40		4.8	-
400	600 x 400 x 200	✓	✓	30 + 20*		3.66	2.4

Călărași Plant - Standard Range

Thickness (mm)	Size (L x W X H)	No. of blocks / pallet	m3 / pallet	m2 of masonry / pallet	m2 top-up
50	625 x 50 x 240	240 + 20*	2.25	36	3
75	625 x 75 x 240	160 + 20*		24	3
100	625 x 100 x 240	120 +20*		18	3
125	625 x 125 x 240	120		18	-
150	625 x 150 x 240	100		15	-
200	625 x 200 x 240	70 + 10**		10.5	1.5
250	625 x 250 x 240	60		9	-
300	625 x 300 x 240	50		7.5	-
350	625 x 350 x 240	40 + 10**		6	1.5
375	625 x 375 x 240	40		6	-
400	625 x 400 x 240	30 + 20*		4.5	2.44

** The pallet includes 20 blocks of 150 mm*
*** The pallet includes 10 blocks of 100 mm*

LINTELS

Auxiliary elements for efficient masonry



CELCO insulating lintels

CELCO insulating lintels, which support the masonry above doors and windows on the inside and outside, are beam-type auxiliary elements made of CELCO AAC, with 2 reinforcing steel bars of 10 mm diameter each built into their structure.

Video: lintel strength test

Available sizes

1200 x 150 x 240	1250 x 200 x 240	1250 x 240 x 200
1875 x 240 x 200	1250 x 250 x 200	1875 x 250 x 240



5 benefits of CELCO lintels

- Maximum load between 1500 kg and 1800 kg
- Increased bending and shear strength
- Lighter than conventional concrete lintels
- Extra thermal insulation
- Efficient and fast installation

CELCO insulating lintels are installed quickly, in about 10 minutes, without the multiple formwork, reinforcement, installation and pouring operations of conventional solutions.
The result is cleaner work and higher productivity on site.

ADHESIVES & MORTARS

Complete solutions for
masonry, thermal insulation,
cladding and finishes



COMPATIBILITY

Integrated
solutions for CELCO
systems

EASY APPLICATION

Workable products,
easy to prepare and
apply

CONSISTENT PERFORMANCE

Long-lasting strength and
adhesion

CELCO adhesives and mortars

The complete range of CELCO adhesives and dry mortars is designed for performance and durability at every stage of construction: AAC masonry, thermal insulation, ceramic cladding and interior or exterior renders.



1. Mortars for thin-joint AAC masonry

Dry mortars for thin-joint AAC masonry, with high adhesion and efficient workability.

	Use	Packaging	Consumption	Compressive strength	Conductivity insulation	Water absorption
M5	AAC masonry with thin joints	25 kg /bag 48 bags / pallet	1 bag / m3	5 N /mm²	0.80 W/m0K	0.25 kg/ m2min0.5
M10				10 N /mm²		0.25 kg/ m2min0.5



2. Adhesives and mortars for thermal insulation

Adhesives and mortars for bonding and reinforcing IZOMINERAL insulation boards and polystyrene and mineral wool boards.

	Use	Packaging	Consumption	Compressive strength	Conductivity insulation
V9	Bonding and skimming Izomineral and wool	25 kg /bag 48 bags / pallet	Bonding: 3.5-4 kg/m2 Skimming: 4.5-5 kg/m2	8 N /mm²	0.66 W/m0K
T3	Bonding polystyrene boards		Bonding: 3.5-4 kg/m2 Skimming: 4.5-5 kg/m2		



3. Adhesives for cladding and interior work

High-performance adhesives for interior and exterior ceramic cladding, with excellent adhesion and extended open time.

	Use	Packaging	Consumption	Advantage
C12	Ceramic tile adhesive interior and exterior	25 kg /bag 48 bags / pallet	3.5-4 kg/m2	Reduced slip, class C1T. Selected grain size, max. 0.5 mm
C1	Ceramic tile adhesive interior			



4. Mortars for renders and finishes

Mortars for interior and exterior renders, applied by hand or machine, providing even surfaces that are easy to finish.

	Use	Packaging	Consumption	Compressive strength	Conductivity insulation
MTI8	Floated renders	25 kg /bag 48 bags / pallet	3.5-4 kg/m2	6 N /mm²	0.80 W/m0K
MTI7	Machine plastering		12.5 kg/m2/cm layer thickness	CS I	0.40 W/m0K
Ma6	Manual plastering			6 N /mm²	0.80 W/m0K

All CELCO products are compatible with each other and form high-performance, tested and reliable systems.

Video: installation

LIME

Essential raw material
for masonry and finishing systems



TRADITION ◆ QUALITY ◆ TRUST

CELCO Lime Plant

CELCO lime is a quality raw material produced at our plant in Corbu and an essential ingredient in the production of CELCO AAC and adhesives. Since 2008, the Corbu lime plant has had an initial capacity of 200 tonnes/day, equipped with a high-performance MAERZ kiln and state-of-the-art automated installations.

STRATEGIC ROLE

CELCO is the largest lime supplier in south-eastern Romania, serving the AAC industry, metallurgy, hydraulic binder and road construction producers, adhesive and mortar manufacturers, and the chemical and water treatment sectors.

We have constantly invested in modernizing the plant and making it more efficient, to meet demand and to ensure reliability and efficiency.

- 2010 – 8,000-tonne process bunker;
- 2011 – Europe's first installation for vacuum-packing lime in plastic bags, reducing environmental impact while preserving the quality of the finished product over an extended guarantee period.
- 2013 – installation of a new lime kiln, an investment aimed at increasing production capacity by more than 60%;
- 2015 – solid fuel feed system and fuel processing plant;

USES AND BENEFITS

Lime is a natural mineral product obtained by evenly burning limestone.
It is used in construction (masonry, renders and finishes), agriculture, water treatment and a variety of industrial processes.
Using lime brings real benefits: breathability, durability, mould resistance and a healthy indoor climate, contributing to sustainable and energy-efficient construction.

BETWEEN 2010 AND 2015 WE INVESTED STRATEGICALLY TO INCREASE PRODUCTION CAPACITY BY OVER 60%, ENSURING QUALITY, RELIABILITY AND SUSTAINABILITY FOR OUR CUSTOMERS.

NATURAL RAW MATERIAL
Obtained from limestone with a high calcium content.

INTEGRATED PRODUCTION
From extraction to finished product, to the same standard of excellence.

ENERGY EFFICIENCY
Modern technology, optimal energy consumption.

MULTIPLE USES
Construction, agriculture, water treatment and industry.



CELCO LIME FOR CONSTRUCTION CL 90-S

CHARACTERISTICS ACCORDING TO SR EN 459-1: 2011

HYDRATED CALCIUM LIME POWDER TYPE CL 90-S

CELCO hydrated lime is produced by hydrating granulated lime and, after grinding, takes the form of a very fine powder. It can be used to produce mortars and widely in construction, water treatment, waste treatment, etc.

CELCO hydrated lime is supplied in vacuum-sealed plastic bags arranged on pallets covered with shrink film, or can be delivered in bulk by tanker.

PLASTIC BAG VACUUM-SEALED **17.5 KG**

PLASTIC BAG VACUUM-SEALED 25 KG

PALLET LOAD **50 / 72 BAGS**

SHELF LIFE **24 MONTHS**



$CaO+MgO$(%)	MgO(%)	Co_2(%)
min. 90	max. 5	max. 4

SO_3(%)	Water free,%	Bulk density
max. 2	max. 2	0.3 - 0.6 kg/dm^3

CELCO LIME LUMP

$CaO+MgO$(%)	MgO(%)	Co_2(%)	SO_3(%)
min. 90	max. 5	max. 4	max. 2

PACKAGING BULK OR BIG-BAG

CALCIUM QUICKLIME CL 90-Q (R5,PSV)

Burning limestone in a kiln at high temperatures causes physical and chemical changes, forming quicklime in lump form.

Uses: steel making, chemical industry, environmental applications, agriculture, animal husbandry, fish farming, waste neutralization, production of lime putty for construction.

HIDRACALC

CELCO LIME FOR CONSTRUCTION CL 70-S

HYDRATED CALCIUM LIME POWDER TYPE CL 70-S

A white calcium hydroxide powder, CELCO CL 70-S hydrated lime acts as a premix for masonry mortars or interior/exterior renders, and is also used to manufacture other construction products, in civil engineering or for soil stabilization.

CELCO HIDRACALC is supplied in vacuum-sealed plastic bags arranged on pallets covered with shrink film.



CHARACTERISTICS ACCORDING TO SR EN 459-2 2011

PLASTIC BAG VACUUM-SEALED
17.5 KG

PER PALLET
72 BAGS

SHELF LIFE
24 MONTHS

CaO+MgO(%)	MgO(%)	Co_2(%)
MIN. 70	MAX. 5	MAX. 12

SO_3(%)	Free water (%)	Soundness (mm)
MAX. 2	MAX. 2	MAX. 2

CELCO INDUSTRIAL GROUND LIME

FOR CONSTRUCTION CL 90-Q (R5/R4, P1)

PACKAGING
BULK DELIVERY BY TANKER

CL 90-Q lime has a very high fineness and is obtained by grinding granulated quicklime. New technology and the research efforts of CELCO specialists have resulted in a wide range of reactivities tailored to the different requirements of ground lime users. It is used as a raw material in AAC plants and for soil stabilization in various groundworks.

Product name	CaO+MgO	CO_2	t_{60}	Slaking time
Ground lime R5/R4, P1	min. 90%	max .4%	min. 5 minutes	min. 20 minutes

CELCOSOL95



Soil amendment for acidic soils based on calcium oxide (CaO) and magnesium oxide (MgO), recommended for raising pH and improving soil structure.

CELCOSOL95 benefits:

- Reduces soil acidity;
- Very high neutralizing value; Excellent
- neutralization speed;
- Improves soil structure;
- Increases fertilizer efficiency;
- Reduces waterlogging.

Essential characteristics	Declared performance	Harmonized technical specification
CaO + MgO, %	≥ 90	SR EN 459-1:2011
MgO, %	≤ 2	
CO_2, %	≤ 4	
Grain size	0 – 10 mm	
Neutralizing value	(eq CaO) - min.95	

Applying CelcoSol95:
Apply at least one week before sowing.
Use 0.5 - 2 tonnes/ha, depending on soil acidity.
Incorporation after application is recommended for optimal results.

STONE QUARRY





In 2012 CELCO invested in a stone quarry in Corbu, equipped with high-performance machinery that achieves an extraction, crushing and screening capacity of 320 tonnes/hour.

Corbu stone quarry grades	
0-40 mm	Crushed limestone
40 - 80 mm	Crushed stone
80 - 120 mm	


CELCO
FOR TODAY.
FOR TOMORROW.

Sustainable

In a modern economy, sustainability is no longer an ideal but a necessity. CELCO understands that every business decision has an impact on the environment, people and the community – and takes responsibility for every stage of its production and distribution chain.

Corporate Social Responsibility (CSR) is not just a communication strategy, but an integral part of our organizational culture.

For over 50 years, CELCO has invested in clean technologies, environmentally safe products and people – employees, local communities and partners alike.

Our activity is guided by clear principles of ethics, sustainability and efficiency: from reducing emissions and water consumption to reusing waste and optimizing energy use in our plants.

Beyond industrial performance, we focus on social and educational investment through long-term partnerships with schools, institutions, athletes and local organizations.

For us, sustainability starts with respect for nature, continues with respect for people and is reflected in the quality of every product made at CELCO.

Standards and certifications

ISO 9001 ISO 14001 ISO 45001

Waste management

- separate waste collection
- we recover over 60% of plastic, paper, cardboard and metal and over 80% of wooden packaging



Water management

- permanent monitoring
- our own water well



Care for employees

- respect for employees
- minimal staff turnover (a constant ~4.5% over the last 3 years)
- over 37% women in management positions



Energy efficiency

- energy intensity indicator reduced 5 times in the last 6 years
- photovoltaic park installed at the AAC Plant
- wind turbine installed at the Lime Plant
- purchase of electric forklifts
- energy consumption metering system
- modernized production flow
- fully electric wrapping line



QUALITY CONTROL AND THE INTEGRATED MANAGEMENT SYSTEM

CELCO, a leading producer of AAC, lime, adhesives and mortars for construction, has designed and implemented an Integrated Quality, Environment and Occupational Health and Safety Management System certified by SRAC, which it maintains and continuously improves, ensuring that all of the organization's activities are carried out in a controlled manner, in accordance with legal requirements, applicable technical regulations and customer requirements set out in contracts.

We are always aware that the organization's own activities and processes can have a significant environmental impact; for CELCO's top management, environmental performance is therefore evidence that activities are carried out under the conditions planned by the Integrated Management System.

The company's long-term objective is to provide a better future for the next generations by creating sustainable construction solutions. CELCO's priorities are to respect and implement its safety policies and the commitments made under the integrated quality, environment, health and safety management system.







QUALITY

Products that comply with standards, continuously tested and verified for safety and durability.

ENVIRONMENT

Responsible processes, low resource consumption and control of environmental impact.

HEALTH AND SAFETY

Safe working conditions, risk prevention and protection of employees and partners.



CUTTING OUR CO_2 FOOTPRINT AT SOURCE

-20% CO_2

***compared to the European average**

Through full control of resources and production, CELCO AAC has a carbon footprint of only 143 kg CO_2/m^3, 20% lower than the European average.

Raw materials are extracted locally, and the short distances between quarry, plant and warehouses drastically reduce transport emissions.

Over 70% of CO_2 emissions at European level come from transporting raw materials – an impact that CELCO effectively minimizes.

Moreover, lime-based products continue to absorb CO_2 throughout their life cycle through recarbonation – a natural property of AAC that can, over time, turn it into a material with negative emissions.

With a complete LCA analysis and EPD certification, CELCO is already actively contributing to the European target of a reduction of up to -70 kg CO_2/m^3 by 2050.

CELCO

When masonry meets innovation.

Building responsibly, beyond walls

We believe progress makes sense when it does good for those around it. We invest in education, support communities and protect the environment for a better future, built together.

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EDUCATION

We invest in people and knowledge through programmes that build skills and open up horizons.

COMMUNITY

We support initiatives that do good and build strong bonds in our communities.

SPORT

We support movement and team spirit for an active and healthy lifestyle.

Initiatives with community impact



Students in practice

We offer students real opportunities to learn and gain experience alongside CELCO professionals.



CELCO Summer School

A programme for passionate young people, with educational activities, visits and interactive workshops.



Hands-on workshops

Practical workshops that turn ideas into projects and stimulate creativity and innovation.



Solidarity for health

We support hospitals and medical staff with essential equipment and donations.

music for autism

Music for Autism

We use the power of music to support the inclusion and development of children with autism.



CELCO Forest

Planting today for a greener tomorrow. Together, we leave a good mark on nature.



Habitat for Humanity

We build decent homes for families in need, together with partners and dedicated volunteers.

Sport, performance and community

We support competitions that inspire, unite and build character. Through sport we invest in people, values and the future of the communities where we live and work.



CELCO Tennis Cup







CELCO Black Sea Cycling Tour





Sand Marathon





CELCO

4 consecutive years of Recognition for Management Performance



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