

This is what we stand for



**OURIMPACT**



# STANDING THE TEST OF TIME

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We want to  
build for eternity

**We believe the most sustainable** thing is to produce insulation products that stand the test of time and won't need to be replaced over and over again.

In fact, when used as designated, FOAMGLAS® cellular glass products last for decades without losing any properties. Our products improve the energy efficiency of buildings for their whole lifetime and can be reused on the spot when renovating. That is something we are truly proud of.

This doesn't mean we are content. We want to be active in reducing our footprint as much as possible and finding new ways of recycling and reusing our products and offcuts.

We believe in working together with our customers and finding the best solutions to create sustainable buildings together. This is our impact.





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# 01

## INSULATION IS A KEY TO THE SOLUTION

Our products are fire safe and play a vital role in fighting climate change. Once installed, FOAMGLAS® retains its properties and enhances energy efficiency for the whole lifetime of a building\*.



PROOF POINTS

01

INSULATION  
IS A KEY  
TO THE  
SOLUTION

PROVEN PERFORMANCE

DAY 1

FIW study\*\*

42  
YEARS

DAY 15330

After nearly half a century in situ, FOAMGLAS® roof insulation demonstrated the same performance properties as the day it was originally installed.

100  
YEARS

The durability of FOAMGLAS® products is practically unlimited when they are used as designated.\* In the EPD, the declared service life is **100 years**.

\*\* FIW (Research Institute for Thermal Insulation), Munich

\* Stated in EPD-PCE-20200300-IBB1-EN, published by Institut Bauen und Umwelt e.V. (IBU)

Long-term thermal performance

Non-combustible

High compressive strength

Non-absorbent

Lightweight

Impermeable

Stable



75%

Insulation can account for up to 75 percent of the total energy reduction potential of buildings.

LONGEVITY

FOAMGLAS® products fully retain their strength and other properties over time. When the structure stays in place, there is no need to replace the insulation when renovating. This causes a smaller impact on the environment.





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# 02

## WE CONTINUOUSLY REDUCE OUR FOOTPRINT

We aspire to halve our CO<sub>2</sub> emissions by 2030 and eventually eliminate our use of fossil fuels. We were pioneers in melting glass with green electricity already in 2007 and continue to use 100% renewable electricity at our factories.



PROOF POINTS

102

WE  
CONTINUOUSLY  
REDUCE OUR  
FOOTPRINT

#### RENEWABLE ELECTRICITY

All Foamglas factories use

100%  
GREEN  
ELECTRICITY

Tessenderlo, Belgium



Kláštorec, Czech Republic

#### HOW IT WORKS

ELECTRIC  
MELTING



We use electric melters for melting the glass at both of our factories in Europe. This reduces CO<sub>2</sub> emissions significantly.

A PRECISE PROCESS

#### OUR HISTORY

PIONEERS

We have been using electricity to melt glass since 1995. Our factories switched to renewable electricity in 2007 and 2019.

#### LATEST ACHIEVEMENT

HERO  
PACKAGE

–55%  
PLASTIC







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# 03

## WE STRIVE FOR CIRCULAR ECONOMY

Glass can be recycled over and over again. Currently approximately 60% of the raw material used to make FOAMGLAS® comes from recycled materials such as car windows and product waste from our factories. We are developing take-back solutions and aim for zero waste leaving our plants by 2030.



PROOF POINTS

103

WE STRIVE  
FOR  
CIRCULAR  
ECONOMY

THE MATERIAL

~60% RECYCLED

Currently approximately 60% of the raw material used to make FOAMGLAS® comes from recycled materials such as car windows and waste from our own factories. We aim to increase the use of recycled materials in our products.

THE PROCESS

ZERO WASTE

At our plant in Tessenderlo, Belgium, no production waste goes to landfill. It is reused as raw material in our own factory and as filling material for e.g. brick production, road construction and sound barriers.

THE PILOT



DEVELOPING  
CUSTOMER  
WASTE  
SOLUTIONS

In Belgium we have been piloting customer waste solutions together with our customers. We bring the surplus material from the building site back to our factory and reuse it.

We have deliberately chosen not to brand our wrapping to make the plastic easier to recycle.

NON-BRANDED  
PACKAGING







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# 04

## WE CREATE SUSTAINABLE BUILDINGS TOGETHER WITH OUR CUSTOMERS

We are continuously joining forces with our customers to develop and test new sustainable products and solutions.





PROOF POINTS

# 104

WE CREATE  
SUSTAINABLE  
BUILDINGS  
TOGETHER WITH  
OUR CUSTOMERS

WE ARE ADVISORS

We don't sell products,  
we sell solutions. Our  
sales engineers are  
advisors who help  
customers find the best  
solutions for creating  
sustainable buildings.

1



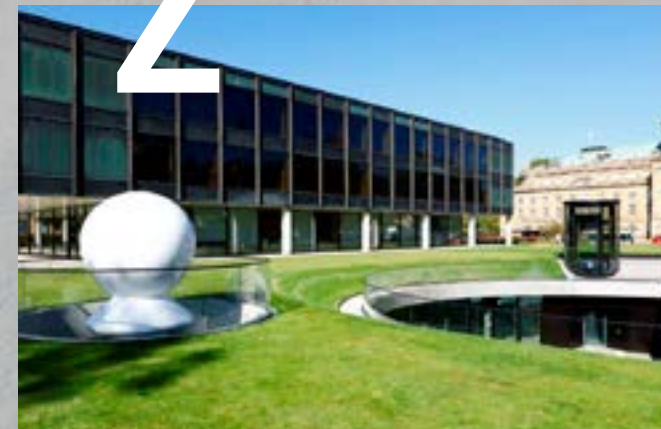
## CASE

INNOVATION

### Hoppet kindergarten, Gothenburg

With the aim of building fossil free, the foundation of the building was not laid with concrete but with Koljern®, which consists of FOAMGLAS® cellular glass and light metal beams. The innovative foundation is lightweight, moisture resistant and provides superior compressive strength.

2



## CASE

REUSE

### The State Parliament building, Stuttgart

After five decades in use, the State Parliament building required modernization. An additional layer of insulation material was used on top of the existing layer of FOAMGLAS® cellular glass. The flat roof now helps reduce energy loss with superior heat insulation.

3



## CASE

ROOF INSULATION

### Ecole Vincent Auriol, Paris

The school was mainly built from recycled and bio-based materials and is a great example of a green building both in terms of energy efficiency and carbon footprint. For the green terrace roof, FOAMGLAS® TAPERED system with its integrated slope shape was chosen.





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**PITTSBURGH CORNING  
EUROPE N.V.**

Albertkade 1  
B-3980 Tessenderlo  
Belgium  
T. +32 (0)13 661 415

**WWW.FOAMGLAS.COM**

