

KNAUFINSULATION



***Delivering on
our sustainability
ambitions
2020-2025***

Build on us.



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Turning purpose into progress

The last five years have been a period of profound global change. We have witnessed a convergence of challenges: a pandemic that reshaped how we live and work, escalating climate impacts, and growing geopolitical uncertainty affecting energy security and supply chains. At the same time, sustainability expectations are rising – governments, customers, and the wider community are rightly demanding progress towards a low-carbon, more resilient future.

The role of construction has never been more critical. Buildings are where we live, work, and learn and they must be comfortable for occupants. But buildings also account for a significant share of global energy use and emissions, and improving their performance is one of the most immediate and cost-effective ways to reduce carbon while enhancing comfort and affordability.

At Knauf Insulation we operate at the intersection of opportunity and responsibility. On one hand, insulation plays a vital role in decarbonisation by improving the energy efficiency of buildings. On the other, we have a duty to minimise the environmental footprint of our own operations.

This dual role is reflected through our For A Better World strategy and the targets we have set to deliver greater decarbonisation, while continuously transforming our own business.

We are proud of the progress we have made since 2020. We have improved safety, invested in low-carbon technologies, contributed to key policy discussions, and formed strategic partnerships to increase circularity. This period has also revealed valuable insights into the challenges faced by our industry and underlined the need for continued leadership as we move forward.

The journey is far from over, but our direction is clear. We must accelerate progress while maintaining the resilience needed to navigate uncertainty. The achievements in this report are the result of the combined commitment of our people. With their continued dedication, we will transition from For A Better World to the next phase of our sustainability strategy. Our efforts will build a better future – one that truly makes tomorrow a home for all of us.

Dominique Bossan,
President of Knauf Insulation and Member of the Knauf Group Executive Committee.

Our For A Better World strategy is based on four pillars:



Our strategy is also aligned with the United Nations Sustainable Development Goals (SDGs).

The UN describes these goals as “the world’s best plan to build a better world for people and the planet, by 2030”.

Knauf Insulation is a participant of the United Nations Global Compact and adheres to its principles-based approach to responsible business.

Highlights from our journey



**PUT
PEOPLE
FIRST**



**ACHIEVE
ZERO
CARBON**



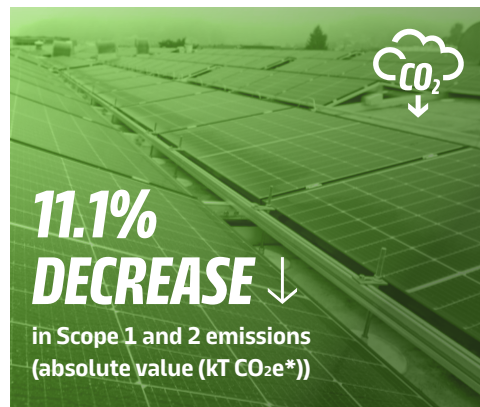
**DELIVER A
CIRCULAR
ECONOMY**



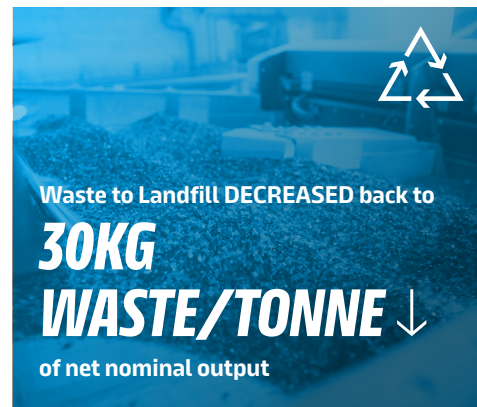
**CREATE
BETTER
BUILDINGS**



**24%
DECREASE** ↓
in Total Recordable Incident Rate (TRIR)



**11.1%
DECREASE** ↓
in Scope 1 and 2 emissions (absolute value (kT CO₂e*))



Waste to Landfill DECREASED back to
**30KG
WASTE/TONNE** ↓
of net nominal output



100%
EMEA and APAC plants covered by EPD Process System Certification and 900+ EPDs published

Engagement score INCREASED from
3.68 to 3.91 ↑
(2020) (2025)

0.3% DECREASE ↓
in Scope 1 emissions (kT CO₂e)

Recycled content in Glass Mineral Wool batch
INCREASED by 4.2% ↑

EcoIndex Calculator launched to support sustainable product choices



229 PEOPLE
completed Diversity, Equity, and Inclusion programme

54.9% DECREASE ↓
in Scope 2 emissions (kT CO₂e)

61.3% INCREASE ↑
in recycled material in Rock Mineral Wool batch

Contributed to discussions on EPBD legislation, for better energy efficiency and fire safety



Engaged employees INCREASED from
29% to 42% ↑
(2020) (2025)

0.6% INCREASE ↑
in Scope 3 emissions (kT CO₂e)

5 PLANTS
introduced projects to reduce fresh water consumption

100%
of Knauf Insulation new builds and renovations have met demanding sustainability requirements since 2019

* kT CO₂e = kilotonnes (1,000 metric tonnes) of carbon dioxide equivalent. These figures relate to Knauf Insulation, part of the Knauf Group, and are based on data for Europe, Middle East and Asia-Pacific (EMEA & APAC) from 2021-2025 and activities during the same period, unless specified otherwise. For accuracy we may amend previous figure.



Keeping our people safe, and helping them grow

Every step of our sustainability journey relies on our people, and looking after everyone who works with us will always be our top priority. We also strongly believe in the importance of giving back to the communities in which we work.

Over the last five years, we have worked hard to develop a strengthened feedback culture that supports both the safety and wellbeing of our colleagues and teams. We've introduced a tool to promote better safety practices, and launched programmes to further support communication, wellbeing, diversity, inclusion, and development. Our teams have connected with their local communities, and we've taken a fresh approach to employee engagement that's already seeing positive results.

Our sustainability achievements to date are thanks to the collective efforts of our people, and the support, transparency, and trust developed by our leadership. We will continue to foster a culture that puts people first and empowers each of us to create meaningful change.

To Put People First, we have committed to:

- Zero harm and building a culture of health, safety, and wellbeing
- Having the most engaged employees and committed, focused leaders in our industry
- Building on the diversity that has made the company a success
- Being a positive force in the communities where we work

→ Keep reading to learn about our progress for each.

¹ TRIR: Total Recordable Incident Rate



24% decrease ↓
in TRIR since 2021¹

Engaged employees
Increased to 42% ↑

229 people
completed our Diversity, Equity,
and Inclusion programme



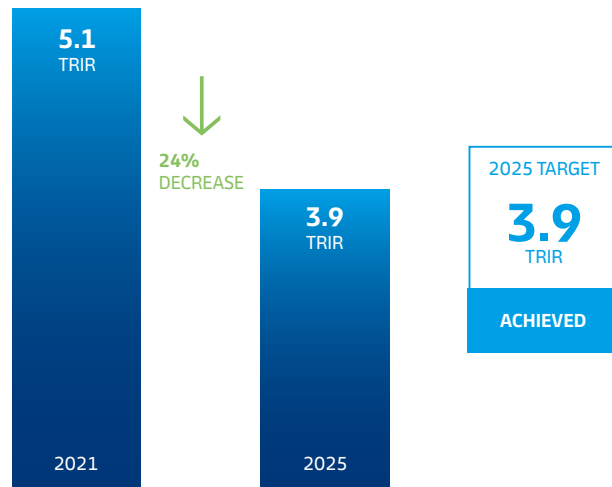
We are committed to zero harm and building a culture of health, safety and wellbeing.

2025 TARGET

Reduce Total Recordable Incident Rate (TRIR) to a maximum of 5.

STATUS:

We have achieved our target. TRIR of 3.9 for 2025,² and no fatal accidents.



² TRIR calculation uses the international standard for calculation based on incidents and hours worked with an applied factor. We ensure that the hours used reflect reality in each calculation and that our measurement is a true reflection of our status.



Colleagues participate in safety exercises and demonstrations during World Day for Health and Safety at Work

“ Our digital tool promotes a feedback culture by facilitating the reporting of both positive practices and areas for improvement. The data collected provides real-time visibility of risks. ”



Serge Etienne
HSEEQ Systems Manager

Strengthening our safety feedback culture

All our sites

We have developed a digital tool that empowers employees and visitors to capture their safety observations on-site. Users can easily submit positive observations, suggestions for improvement, and general assessments of site safety. This has been critical for developing our feedback culture and allows for faster identification and closure of hazards and near misses.

Launched in January 2026, we expect almost 1,000 visit reports and over 2,000 observations for the year, covering 100% of our sites.

Every day, we aim for zero harm. This means zero tolerance for safety risks and constant attention from all of us. Every year on World Day for Health and Safety at Work, all our employees attend talks and workshops to improve understanding of the risks present in our facilities and offices, and how to manage them effectively. Meetings start with a 'safety moment' to think about safety in and outside the workplace. Team members from our production sites, as well as many offices, take part in the event each year, helping to increase risk awareness and promote best practices in health and safety.

Key learning:

Safety will remain a constant priority. We will continue to aspire to 'zero harm' in 2026 and beyond, by building upon our feedback culture and refusing to compromise on safer practises, risk awareness, and strong safety leadership.



We are committed to zero harm and building a culture of health, safety and wellbeing.

2025 TARGET

Provide mental health, wellbeing, and resilience training for managers, newcomers and recently promoted colleagues.

STATUS:

We have achieved our target.

We have courses available covering key topics, across all our regions.



127 people

attended training in 2025. Courses delivered across five key focus areas:

- Individualised growth
- Executive presence
- Interpersonal dynamics
- Strategic leadership
- Language development



Team members attend the Psychological Safety sessions

Psychological safety initiative Knauf Insulation Eastern Europe

Psychological safety is the ability to feel safe acknowledging failure, offering tough feedback, sharing ideas, and speaking up in difficult situations, without fear of retaliation. To ensure our executive senior managers are familiar with this concept, we have invested in leadership development that will allow them to support and nurture psychological safety within their teams.

Over a 12-month period, we enrolled eight senior regional directors for a programme of six online group coaching sessions and two individual face-to-face sessions. These worked through the key principles of psychological safety, divided into theory, practical exercises, and sharing experiences. Each coaching session ended with a real-life task for the participant to try with their team.

Key learning:

Our training programmes are already helping to support everything from improved collaboration and empathy to communication and workload management. Mental health, wellbeing, and resilience will continue to be a top priority for all our people in 2026.



We are committed to zero harm and building a culture of health, safety and wellbeing.

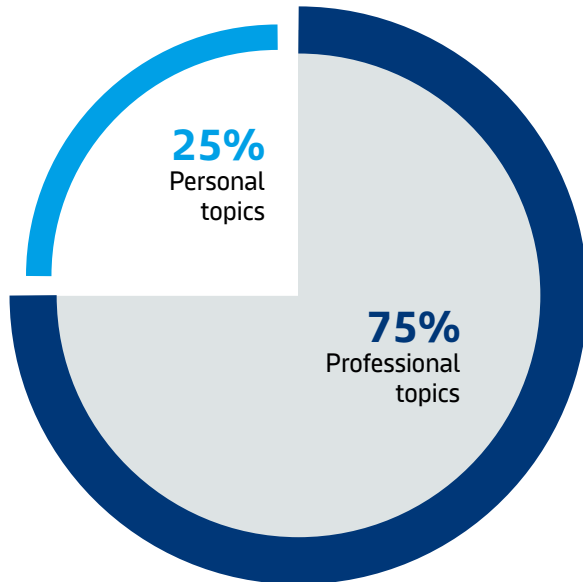
2025 TARGET

Make Employee Assistance Programmes available to all colleagues.

STATUS:

We have achieved our target.

- 100% of employees can benefit from our Employee Assistance Programmes.
- 1.34% have made the choice to use the programmes to date.



We are committed to having the most engaged employees and the most committed, focused leaders in our industry.

2025 TARGET

Provide Global Leadership and Change programmes for all leaders.

STATUS:

We have achieved our target.

Over 160 team members have enrolled on our programmes.



Programme Type	Enrollment
Leadership programmes	151 people
Change management programmes	16 people



We are committed to having the most engaged employees and committed, focused leaders in our industry.

2025 TARGET

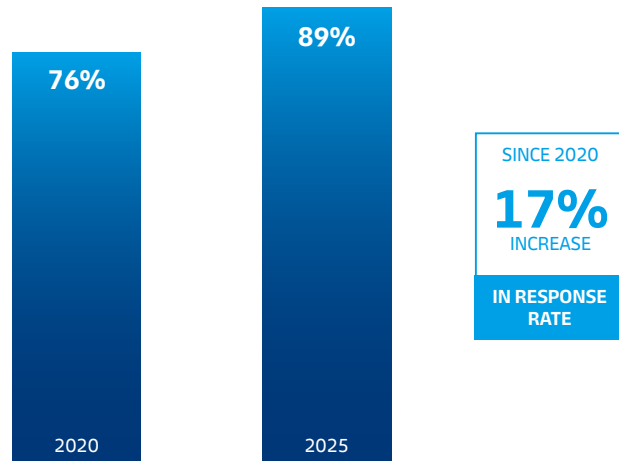
Achieve above average results from employee engagement surveys.

STATUS:

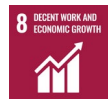
We are continuing to work towards our target.

We have improved our engagement scores and are on track to meet our 2032 goal of achieving above 50% on the Gallup Engagement Index.

Engagement survey response rate:



³ The Gallup World Poll measures metrics like life satisfaction, workplace engagement, and safety.



Sites implementing our Engagement Action Plan

“ Our ambition is for every employee to feel that their voice matters and that the organisation actively works on the topics that are important to them. ”



Cédric Natalis
HR Director

A fresh approach to engagement
Knauf Insulation Western Europe

Since the launch of the engagement survey in 2020, Knauf Insulation Western Europe has seen gradual improvement in engagement scores through 2024.

A regional Engagement Action Plan was developed with plants to bring greater alignment across the region, while still allowing each site to adapt actions to its local context. The Action Plan includes structured workshops for all employees, engagement objectives and dedicated training initiatives for all leaders, regular pulse surveys (pilot in Visé), and stronger communication throughout the year. This approach relies on an important principle: engagement is not a yearly survey exercise, it is an ongoing process requiring consistent attention and regular dialogue.

The objective is not to chase survey scores, but to better understand employees’ needs and expectations while building an environment where people can perform, develop, and feel valued. In 2025, the proportion of engaged employees in Western Europe increased from 31% to 45%. The region also achieved a record participation rate of 92%, while employee turnover remains significantly below industry benchmarks.

Key learning:

Visible leadership support, transparency, and trust have been critical to increasing participation in our survey and growing employee engagement.



We are committed to building on the diversity that has made the company a success.

2025 TARGET

Provide diversity and inclusion training for all leaders, managers, and recently promoted colleagues.

STATUS:

We have achieved our target.

Our Diversity, Equity, and Inclusion awareness programme has been completed with all regional and central function management teams.

229 people
completed Diversity, Equity, and Inclusion awareness programme

102 people
completed online 'Inspire Inclusion' programme



DEI awareness training has been rolled out across our management teams

Our DEI awareness journey

All regions

Diversity, Equity, and Inclusion (DEI) are essential to a culture that puts people first. In 2020, we created a working group to lead us through our DEI awareness journey. Since then, we have developed training that has been rolled out across all central and regional management teams.

Thanks to the commitment of our working group, the business has now moved into a new phase of DEI maturity. Our awareness programme ensures our leaders understand DEI and how to lead our teams inclusively.

The next phase of our programme will launch in 2026, when we will roll out DEI awareness workshops throughout our manufacturing plants.



All over Knauf Insulation, in our offices and plants, our strength lies in our differences. By embracing inclusion and equity today, we sustain and grow authentic diversity, enhancing employee engagement, collaboration, and innovative thinking.



Léon Bustin
Group Technical Director and spokesperson for DEI working group

Key learning:

Our leaders are keen to create a more inclusive environment, and our values-led culture supports this. But it's essential that this extends to our manufacturing environment as well. We will prioritise the roll-out of our plant workshops in 2026.



We are committed to being a positive force in the communities where we work.

2025 TARGET

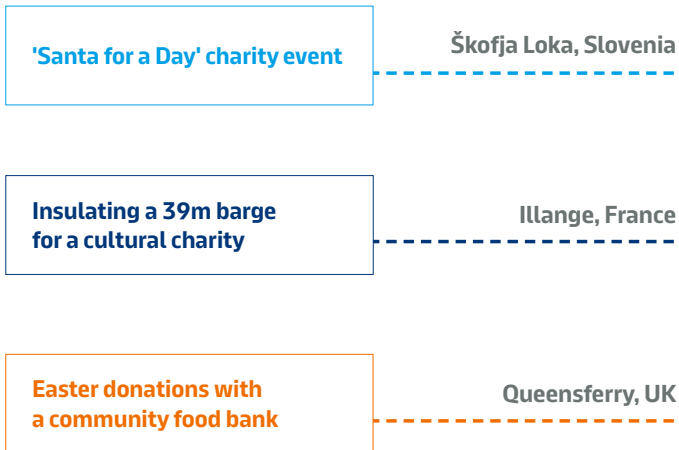
Create a global community of volunteers, participating in social and environmental projects.

STATUS:

We have achieved our target.

We have fundraised, hosted, and volunteered at community events across our regions.

For example:



Johor Bahru team with members of the local community



Preparing to visit local residents

Giving back to the Johor Bahru community Tanjung Langsat, Johor Bahru, Malaysia

In October 2025, our Johor Bahru team came together for a voluntary project in Tanjung Langsat, aimed at supporting and making meaningful connections in the local community.

After a morning briefing session, the team visited a local community centre where they took part in a prayer session to set a reflective and purposeful tone for the day. This was followed by welcoming remarks from the Village Head and a few words from Knauf Insulation about the importance of giving back to the community.

The team then spent time distributing groceries and staple food items to 25 local residents, to support their daily lives. The day ended with a presentation of thanks from the Village Head, followed by a shared lunch.

Key learning:

We know that small actions can create meaningful change. We must continue to hold sight of the people and communities that our products impact and our voluntary initiatives help us to maintain that focus.



Decarbonising our products and processes

As an insulation leader, we exist to enable more energy efficient buildings. According to a 2022 study conducted with Ramboll, our Mineral Wool insulation products are estimated to help reduce operational carbon emissions from buildings by approximately 3.6 million tonnes annually under modelled conditions.⁴

And as a manufacturer, we also have a responsibility to reduce our own carbon footprint. It's a responsibility we take seriously.

We have taken significant steps to reduce the environmental impact of our products, plants, and offices across the globe. Our dedicated sustainability CAPEX is used every year to fund projects that reduce carbon emissions or cut waste to landfill, and our transparent ESG⁵ reportings ensure we always remain accountable.

Decarbonisation requires systemic change and every part of the industry has a role to play. We're seeing meaningful progress at an operational level, and we have the roadmaps in place to continue reducing our emissions, as we work towards our 2032 and 2045 goals.

To Achieve Zero Carbon, we have committed to:

- **Delivering net zero embodied carbon solutions**
- **Reducing the environmental footprint of the entire organisation beyond embodied carbon**

→ Keep reading to learn about our progress for each.

⁴ Study by Knauf Insulation in partnership with Ramboll, 2022.

⁵ CAPEX: Capital Expenditure, ESG: Environmental, Social, and Governance

⁶ Learn more on page 15



55% decrease ↓
in Scope 2 emissions (kT CO₂e)

11% decrease ↓
in embodied carbon of our Mineral Wool products

Offset 2,500T CO₂e
of business travel emissions⁶



We are committed to delivering net zero embodied carbon solutions.⁷

2025 TARGET

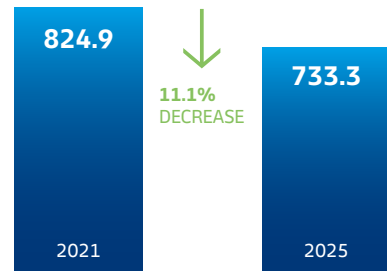
Reduce the embodied carbon of our products by 15% (compared to 2021).

STATUS:

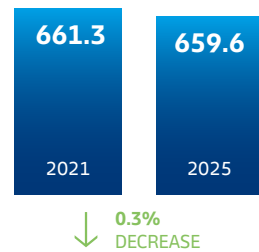
We are continuing to work towards our target.

We have reduced the embodied carbon of our Mineral Wool products by 11.1%.⁸

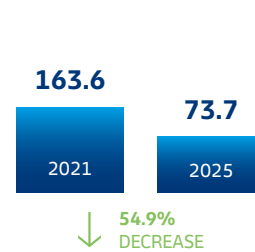
Scope 1 + Scope 2 in absolute value (kT CO₂e)⁹



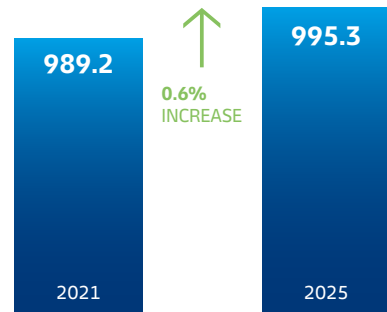
Scope 1 (kT CO₂e)⁹



Scope 2 (kT CO₂e)⁹



Scope 3 (kT CO₂e)⁹



Novi Marof plant, Croatia



⁷ Our net-zero ambition is aligned with recognised climate science and subject to periodic review in light of technological, regulatory and market developments. We prioritise emissions reductions across our own operations and value chain, with the intention to address only residual emissions through high-integrity carbon removals. Our Scope 3 reporting is based on the categories currently assessed and disclosed in our verified greenhouse gas accounting methodology.

⁸ T of CO₂e (Scope 1 + 2 + partial 3) per T of Mineral Wool

⁹ kT CO₂e = kilotonnes (1,000 metric tonnes) of carbon dioxide equivalent

**Low-carbon electric melting
Novi Marof, Croatia**

We are introducing a new Rock Mineral Wool production line at our Novi Marof plant, that uses Submerged Arc Furnace (SAF) electric melting.

The technology allows us to reduce the carbon footprint of our Rock Mineral Wool production process and the embodied carbon of our products. Using low-carbon electricity reduces our CO₂ emissions for melting up to 80% compared to coke melting and allows for up to 50% recycled content in the batch.

The 9,000m² manufacturing buildings in Novi Marof are located next to the existing manufacturing line and have a capacity of 60,000 tonnes per year.



Building the new line has meant introducing electrical SAF melting technology and the on-site installation of a 110kV electric transformer station. The project has sharpened planning and communication, strengthened safety culture, and deepened ownership.



Danilo Kolenc
Project Director

Key learning:

Decarbonisation requires systemic change, and factors such as market conditions and Scope 3 emissions can take time to evolve. We are making significant technological changes, which will deliver further reductions over the coming years.



We are committed to delivering net zero embodied carbon solutions.

2025 TARGET

Create roadmaps to new carbon-friendly technologies for manufacturing.

STATUS:

We have achieved our target.

Decarbonisation roadmaps have been established in all our regions.



Sustainability Engineers at our plant

2025 TARGET

ALL REGIONS

ACHIEVED



Sustainability Engineer network meeting, Simbach, Germany

Driving decarbonisation

All regions

We have introduced several initiatives that support our decarbonisation roadmaps. In 2023, we hired Sustainability Engineers at all manufacturing plants to propose, implement, and report on new in-plant projects to improve energy efficiency, waste and water reduction.

New technologies are also being implemented, for example our conversion to electric melting in St. Egidien, Germany. The conversion involves, amongst others, the use of an electric arc furnace, to deliver a CO2 reduction of >90%.

We also hold regular Regional Carbon Workshops. Since 2023 the turnout has broadened from a largely technical audience, to include management, public affairs, commercial, and product teams. The workshops ensure that our roadmaps are as aligned as possible with our markets' needs.

Key learning:

Decarbonisation roadmaps provide direction which is essential for achieving our goals. But flexibility is also important. Our roadmaps allow us to adapt to internal and external factors, while continuously monitoring to ensure we remain on track to reach our long-term targets.



We are committed to delivering net zero embodied carbon solutions.

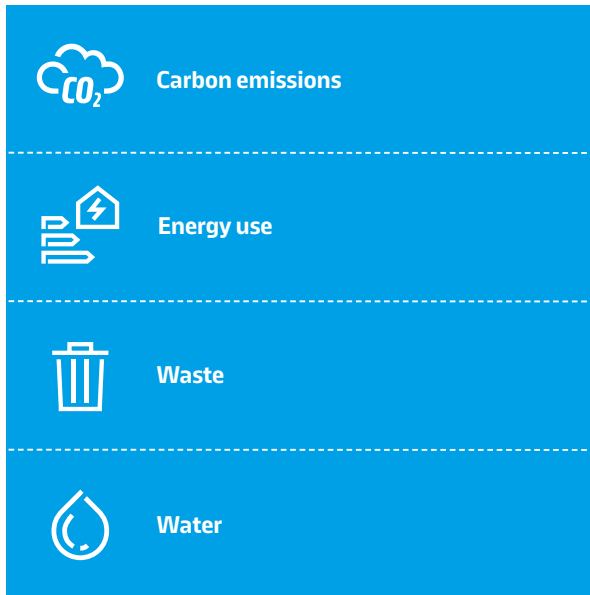
2025 TARGET

Have a sustainability fund of 10% of general capital expenditure for projects that reduce carbon emissions or cut waste to landfill.

STATUS:

We have achieved our target.

Our dedicated sustainability CAPEX fund is used yearly, for projects that reduce:



We are committed to reducing the environmental footprint of the entire organisation beyond embodied carbon.

2025 TARGET

Reduce our environmental footprint by at least 25%.

STATUS:

We have achieved our target.

We are supporting certified carbon reduction projects to compensate for part of our business travel emissions, alongside efforts to reduce travel-related emissions at source.

Our carbon credits are generated from independently verified home renovations that deliver measurable emission reductions. These are then retired on the Verra Registry, to offset our business travel emissions. Importantly, this approach to reporting also supports transparency and traceability.



Our total CO₂ footprint still accounts for emissions related to travel.



Remaining transparent and accountable

Carbon Disclosure Project

The Carbon Disclosure Project (CDP) is a non-profit organisation that helps companies report on their environmental impact. We partner with the CDP to measure and report our progress in the areas of climate change and water security.

Our latest results:

We scored a 'B' for climate change and a 'B-' for water security, placing us in the 'Management' band for the third consecutive year, and demonstrating that we actively address these issues.

This is a significant step up from the 'D' we received just three years ago, evidencing our commitment to stronger sustainability management. Our scores show we outperform the European and global averages on water security and are on par with the average on climate change.



Our CDP 'Management' level rating is an important external recognition of the success of our initiatives, policies, and investments, as well as the hard work of our colleagues over the past five years.



Yaprak Nayir-Derks
Sustainability Programme Manager

EcoVadis Gold Medal Award

In 2025, Knauf Insulation France was awarded a prestigious Gold Medal by EcoVadis, a global independent organisation that rates and assesses performance across four key areas of sustainability. Knauf Insulation France was awarded a score of 81 out of 100, putting it in the top 5% of companies assessed over the previous twelve months.

Knauf Insulation UK, Slovenia, and Croatia have also been awarded EcoVadis medals, for their sustainability efforts.



GOLD MEDAL
France



SILVER MEDAL
UK (all plants)



BRONZE MEDAL
Slovenia (Škofja Loka)



BRONZE MEDAL
Croatia (Novi Marof)





Doing more with less

As a manufacturer, circularity is a fundamental principle of how we operate.

Delivering a circular economy helps us to reduce our environmental footprint, waste, and costs, secure our long-term resource supply, and continue meeting customer demand. That's why we have invested time in assessing each stage of our product lifecycle, and finding opportunities to reduce, reuse, and recycle.

Since 2021, we have increased the recycled content in our Glass Mineral Wool batch, introduced projects to reduce our fresh water use, and reduced the amount of virgin plastic in our film packaging. Our strategic partnerships have also enabled recycling and take-back schemes throughout Europe, extending the life of our insulation and creating secondary raw materials.

We're leading the change in delivering circular solutions, but these initiatives are just the beginning. We will continue to develop our technologies and processes, and closely monitor our progress, as we work towards our 2032 targets.

To Deliver a Circular Economy, we have committed to:

- Finding ways to use resources that have a minimal environmental impact
- Sending zero waste to landfill
- Reducing the environmental impact of our packaging

→ Keep reading to learn about our progress for each.



64% recycled content
in our Glass Mineral Wool batch

7 countries
established take-back systems for site waste

Min.
30% recycled resins
in approx. 65% of total plastic film volume

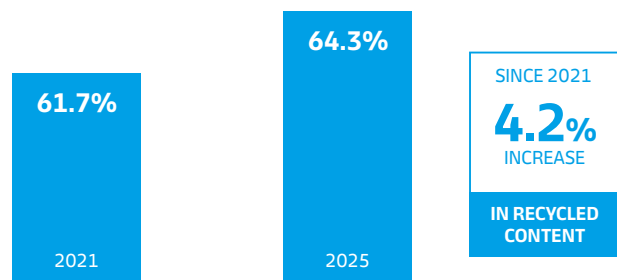
We are committed to finding ways to use resources that have a minimal environmental impact.

2025 TARGET

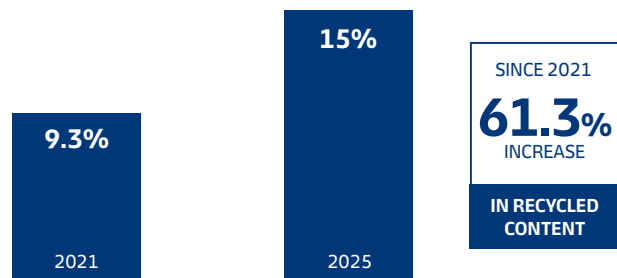
Increase the recycled content in our batch.
Glass Mineral Wool >65% | Rock Mineral Wool >25%

STATUS:

We made strong progress on Glass Mineral Wool recycled content, reaching 64.3% against our 65% target.¹⁰



We did not meet our target in Rock Mineral Wool recycled content.¹¹



We will continue to monitor our progress on a monthly basis.



Recycling 60,000+ tonnes of used glass annually



Glass is refined into high-purity raw materials

**Veolia partnership
St Helens, UK**

Our Knauf Insulation Northern Europe team has partnered with Veolia a leading resource management company, to establish a state-of-the-art recycling facility, adjacent to our St Helens manufacturing plant.

The facility recycles over 60,000 tonnes of used glass bottles and jars annually. The glass is cleaned, separated, and refined into high-purity raw materials, which are then used in the production of our Glass Mineral Wool insulation.

Our partnership diverts more than 60,000 tonnes of used glass from landfill each year, supporting a reliable supply of recycled glass for our Glass Mineral Wool insulation. The proximity of the new facility to our manufacturing plant means we save approximately 375,000 road miles per year, helping to further reduce the embodied carbon of our insulation.

Key learning:

Increasing the recycled content in our batch takes time but the results are well worth the investment. We know that our manufacturing processes have a strong capacity to work with secondary raw materials and we will continue to track and improve on this target over the coming years.



¹⁰ Progress was supported by our processes' ability to use secondary raw materials. We will continue to work on securing the volumes and quality needed to build on this progress. Recycled content: Glass cullet from recycled bottles and jars, or from flat glass.

¹¹ Target not met due to delays in key investment projects needed to enable higher recycled content. These projects have been approved and are underway. Recycled content mostly from the steel industry, along with customer production waste.

We are committed to finding ways to use resources that have a minimal environmental impact.

2025 TARGET

Reduce SOx emissions from plants by 50% (compared to 2019) and make significant reductions towards cutting NOx emissions.

STATUS:

We are continuing to work towards our target.

We are taking further steps to reduce our SOx and NOx emissions:

→ **Adapting our production processes**

→ **Investing in abatement equipment in some plants**

→ **Further plans to integrate equipment in Rock Mineral Wool plants over the coming years, ensuring compatibility with new manufacturing technology**

Desulphurisation abatement equipment at our Rock Mineral Wool plant in Nová Baňa, Slovakia, has enabled the use of more secondary raw materials and reduced SOx emissions under 1,400 mg.Nm³.

NOx (nitrogen oxides) and SOx (sulfur oxides) are pollutant gasses that are produced during the melting process. We will continue to monitor our emissions on a regular basis.

2025 TARGET

Implement new projects to reduce the fresh water used in five plants.

STATUS:

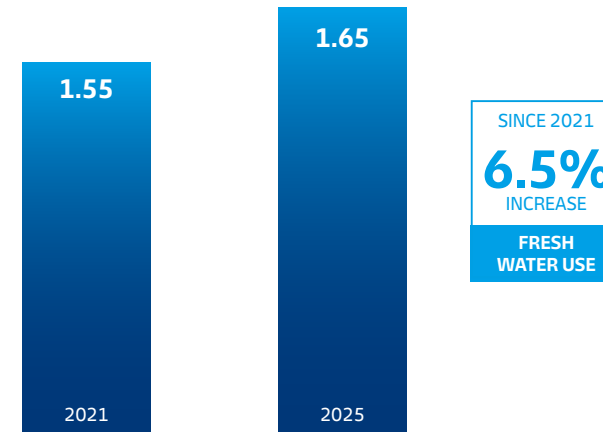
We have achieved our target.

Projects introduced in more than ten plants.

Fresh water use increased between 2022 and 2024 and while progress is being made, it has now decreased only slightly, as our operations already reuse a high proportion of water internally.

Actions such as leak detection, water re-use optimisation, operator awareness, and improved metering have helped to strengthen water efficiency but there is more work to do. We will continue to work towards reducing our numbers below the 2021 baseline.

Fresh water use in our plants (m³/tonne of net nominal output)



We are committed to sending zero waste to landfill.

2025 TARGET

Send zero production waste to landfill, from Rock, Glass, and Wood Wool plants.

STATUS:

We are continuing to work towards our target.

Our Wood Wool plants send zero waste to landfill and we have taken significant steps to reduce waste to landfill for our Rock and Glass Mineral Wool.

We have made meaningful progress in many of our plants, for example through our Resulation facility in Visé, Belgium, and our 'zero waste to landfill' plants in Škofja Loka, Slovenia and Novi Marof, Croatia.

However, landfill is still a cheaper option than recycling in many countries, making it difficult to establish and maintain stable recycling routes. As a result, in 2025 our waste to landfill was 30kg waste/tonne of net nominal output. There is more work we can do to increase our recycling options as we work towards our target.



Transforming the future of waste: our RESULATION facility at Visé, Belgium

“ The Resulation facility enables old insulation that has been saving energy and emissions for many years, to be recycled into new Mineral Wool for a second energy-saving lifecycle. ”



Marc Bosmans
Group Sustainability Director

Resulation: Giving waste insulation a second life

**Knauf Insulation
Western Europe**

In 2022 we opened Resulation, our €15 million recycling unit in Visé, Belgium.

At Resulation, we transform discarded Glass Mineral Wool into high quality glass cullet that feeds directly back into the manufacture of new insulation.

The unit processes production offcuts from our plants and waste insulation from construction and demolition sites, offering an effective alternative to landfill or incineration.

Our next focus is scale: increasing the share of deconstruction material, campaigning for better onsite separation, and expanding our partner network to secure higher quality, higher volume feedstock.

Key learning:

The market presents challenges as landfill is a cheaper option than recycling in many countries. To help counter this, we aim to increase our range of recycling options across the different countries in which we operate.

We are committed to sending zero waste to landfill.

New Ferndorf recycling facility

Ferndorf, Austria

Following the success of Resulation in Belgium (see previous page), we are building a new €30 million recycling facility at our Ferndorf site, capable of recycling close to 20,000 tonnes of insulation per year.

The first of its kind in Austria, the facility will take waste Mineral Wool insulation, process it, and produce granulates. These will then be re-used in Knauf Insulation internal production processes.

This initiative will create a circular solution for Mineral Wool waste, that diverts material from landfill, supports future regulations, lowers the carbon footprint of manufacturing, and enables the production of more sustainable products.



“

We are closing the loop – turning waste into a valuable raw material and unlocking new business opportunities.

”



Udo Klamminger
Managing Director, Austria

Re-using production waste

Novi Marof, Croatia and Škofja Loka, Slovenia

All waste from production in our Novi Marof plant is converted into two secondary raw materials: Rock Mineral Wool fibres and industrially produced aggregate (slag).

In 2025, over 5,000 tonnes of industrially produced aggregate was used in briquetting, and more than 1,000 tonnes was removed from our site to be re-used across the construction industry.

Over 10,000 tonnes of Rock Mineral Wool fibres were removed from our site, for recycling in insulation and cement production.

We've introduced a similar process at our Škofja Loka plant, where waste filter dust is collected and removed for re-use. In 2025, over 1,000 tonnes was removed, to be re-used for various purposes including briquetting and the remediation of sand quarries.



Slag stock, Novi Marof plant



Briquettes, Škofja Loka plant

We are committed to sending zero waste to landfill.

We are committed to reducing the environmental impact of our packaging.

2025 TARGET

'Take back' 25% of construction waste, through briquetting or recycling.

STATUS:

We have achieved our target.
We have set up take-back systems in seven countries:



7
COUNTRIES
TAKE-BACK SYSTEMS

2025 TARGET

Have programmes in place to recycle insulation from demolition sites, in a minimum of five countries.

STATUS:

We have achieved our target.
We have established recycling programmes in:



6
COUNTRIES
RECYCLING PROGRAMMES

2025 TARGET

Recycle 25 – 50% of plastic film and reuse or recycle 35% of wooden pallets.

STATUS:

We are continuing to work towards our target.
We have pallet take-back systems operating in every region and we are exploring new solutions to increase our pallet take-backs from construction sites.

We typically take back:

- 5-20% of pallets from construction sites
- >45% of pallets from factories

“ Moving to a dual-sourcing procurement model, with an increase in repaired pallets at our Cwmbran plant, UK, has helped us secure supply and reduce costs while also delivering sustainability benefits. ”



Michael Langford
Plant Buyer



We are committed to reducing the environmental impact of our packaging.

2025 TARGET

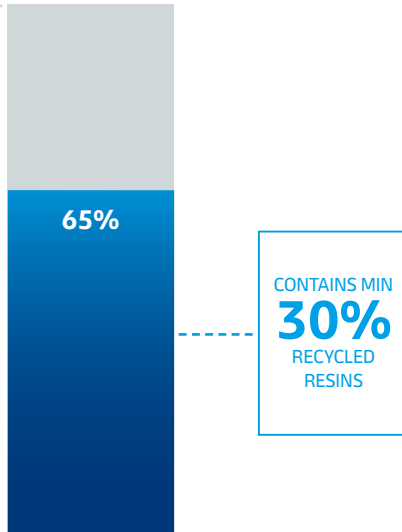
Reduce our virgin plastic film packaging by more than 25%.

STATUS:

We are continuing to work towards our target.

While we have reached our target for the majority of our products, we are continuing our transition for others. Approx. 65% of our total plastic film volume contains min. 30% recycled resins.

Total plastic film volume



Recyclable packaging

Knauf Insulation Northern Europe

We have introduced a new packaging film that contains a minimum of 30% recycled plastic content, helping to reduce our carbon footprint.

In 2021, we also completed a project to further improve our well established compression packaging. The technology allows us to load more product per pack, meaning less packaging is used per m² of insulation and fewer vehicles are required to transport it.



Our new packaging film contains min. 30% recycled plastic content

Key learning:

Futureproofing our packaging is a story of continuous improvement. We are very proud of what has been achieved so far and we will be taking further steps in the coming years.



Enabling change and leading by example

Buildings play a central role in achieving a more sustainable future. As the places where we live, work, and learn, they account for a significant share of global energy use and carbon emissions.

But creating better buildings goes beyond reducing environmental impact. Improving how buildings are designed, constructed, and assessed also makes them safer, more comfortable, and more resilient. Insulation plays a critical role in achieving these outcomes. As a leading manufacturer of non-combustible solutions, we have a responsibility to contribute our technical expertise to policy discussions shaping the future of the built environment.

That same commitment to better building performance is reflected in the way we innovate our products. In 2009, we launched ECOSE®, a unique plant-based binder that is low-carbon and low in volatile organic compounds (VOCs). Today, our insulation with ECOSE® is used in tens of thousands of buildings worldwide and its benefits have been proven by extensive testing and certification. This focus on combining sustainability, performance, and occupant wellbeing also underpins our wider contribution to the sector.

Over the past five years, we have strengthened our engagement with policymakers, contributing technical expertise to discussions that support improved energy performance and fire safety.

And we're leading by example, creating tools that support in-use measurement and bringing sustainability to the forefront of our product development.

This approach is reflected in our commitments.

To Create Better Buildings, we have committed to:

- **Continuing to innovate and create new eco-friendly solutions**
- **Continuing to campaign for safer, more efficient and more sustainable buildings that are fit for the future**

→ Keep reading to learn about our progress for each.



EcoIndex Calculator

launched across all Knauf Insulation regions

Contributed to policy discussions

on energy efficiency and fire safety

Advocated for measured performance

to improve the quality of Energy Performance Certificates (EPCs)

We are committed to continuing to innovate and create new eco-friendly solutions.

2025 TARGET

Fully integrate an eco-design tool into our Innovation Programme.

STATUS:

We have achieved our target.

Our EcoIndex tool launched in 2021, enabling the comparison of insulation products' and systems' environmental impacts through EPDs (Environmental Product Declarations).

EcoIndex used for:



→ Life Cycle Assessment (LCA) training

→ Supporting market specifications

→ Sustainability assessment of innovation projects



EcoIndex compares the environmental impact of different construction systems

**Launching the EcoIndex Calculator
Knauf Insulation Northern Europe**

Introduced in 2021 and then reviewed in 2022, our EcoIndex Calculator allows users to compare the environmental impact of different construction systems. It also enables comparison of the Global Warming Potential of individual products and systems.

The tool has been instrumental in shifting our approach from sustainability 'as a check' to 'as a design criterion'. Our teams have a shared way to consider the environmental performance of our products early in development, allowing for cross-functional alignment and clear, sustainability-driven design.

Since its deployment across Northern Europe, EcoIndex has become a practical anchor for LCA¹² training, as well as a key support for market specifications, and viewing market sustainability trends. During a UK project for a Nordic market, the team used LCAs and EcoIndex to explore the relationship between embodied carbon, product density and packing configuration. The tool allowed them to prototype different product variants and informed key decision-making.

¹² LCA: Life Cycle Assessment

Key learning:

With carbon reduction playing an increasingly significant role in construction, EcoIndex offers opportunities to connect stakeholders, support training and communication, inform research and development, and better understand the sustainability of our products.

We are committed to continuing to campaign for safer, more efficient and more sustainable buildings that are fit for the future.

2025 TARGET

Bring energy efficiency and building fire safety to the top of government agendas.

STATUS:

We have made significant progress with this ongoing target. Our Public Affairs team has been actively engaged in discussions on the Energy Performance of Buildings Directive (EPBD) implementation.

CAMPAIGNED FOR:

- **Increased renovation**
- **Improved Energy Performance Certificates (EPCs)**
- **Fire safety to be included as a key consideration**

CONTRIBUTED TO:

- Prioritised renovation of worst-performing buildings
- Measured energy performance
- New references to fire safety in the context of solar PV
- Planned European Commission guidance on fire and solar PV
- Fire performance included as a crucial concern in communication on the European Strategy for Housing Construction

2025 TARGET

Place real performance at the centre of new standards, in collaboration with Knauf Energy Solutions.

STATUS:

We have made significant progress with this ongoing target. We are advocating for measured performance, over theoretical estimates, to improve the quality of EPCs.



EPBD now allows Member States to use metered tools, such as those provided by Knauf Energy Solutions, to calculate the energy performance of buildings.

2025 TARGET

All new or renovated Knauf Insulation buildings to meet our demanding sustainability specifications.

STATUS:

We have achieved our target. All our new builds and renovations have achieved their target performance.

For example, the Knauf Insulation Experience Centre in Škofja Loka is the first sustainably certified building in Slovenia. It has received the DGNB Platinum sustainability certificate and was a pilot project for the European Commission in planning EU sustainable construction guidelines.

“ We acquired a huge amount of knowledge in the field of sustainable construction during the planning and construction of the Centre, which we can now share with stakeholders. This project is a typical example of how Knauf Insulation 'walks the walk'.”



Darko Bevk
Commercial Director

Looking to the future

Marc Bosmans, Group Sustainability Director

We have made great progress in our sustainability journey over the past five years, but it is a journey that is ongoing. Creating better, more sustainable buildings is an industry-wide challenge and we know there's more we can do.

The next phase of our journey will be guided by **three core objectives**:

1 **Unleash the full potential of insulation to enhance the built environment**

Insulation has the potential to drive significant carbon reduction in the built environment, and Knauf Insulation will lead that change.



2 **Take meaningful action to minimise our environmental impact**

Environmentally friendly buildings need sustainable products but manufacturing them is energy-intensive, so we must minimise our own impact.



3 **Build a sustainable business, for today and tomorrow**

We will prioritise sustainability in business, ensuring it stays at the heart of our decision-making.



As we move forward, we will lead the change our industry needs, by pioneering new ways of working with partners and our supply chain. And we will make sure our business and teams are ready to deliver on our plans.

Our success to date is thanks to the collective effort of our people. Their commitment and collaboration have powered our progress and will continue to be critical as we build towards our long-term targets.

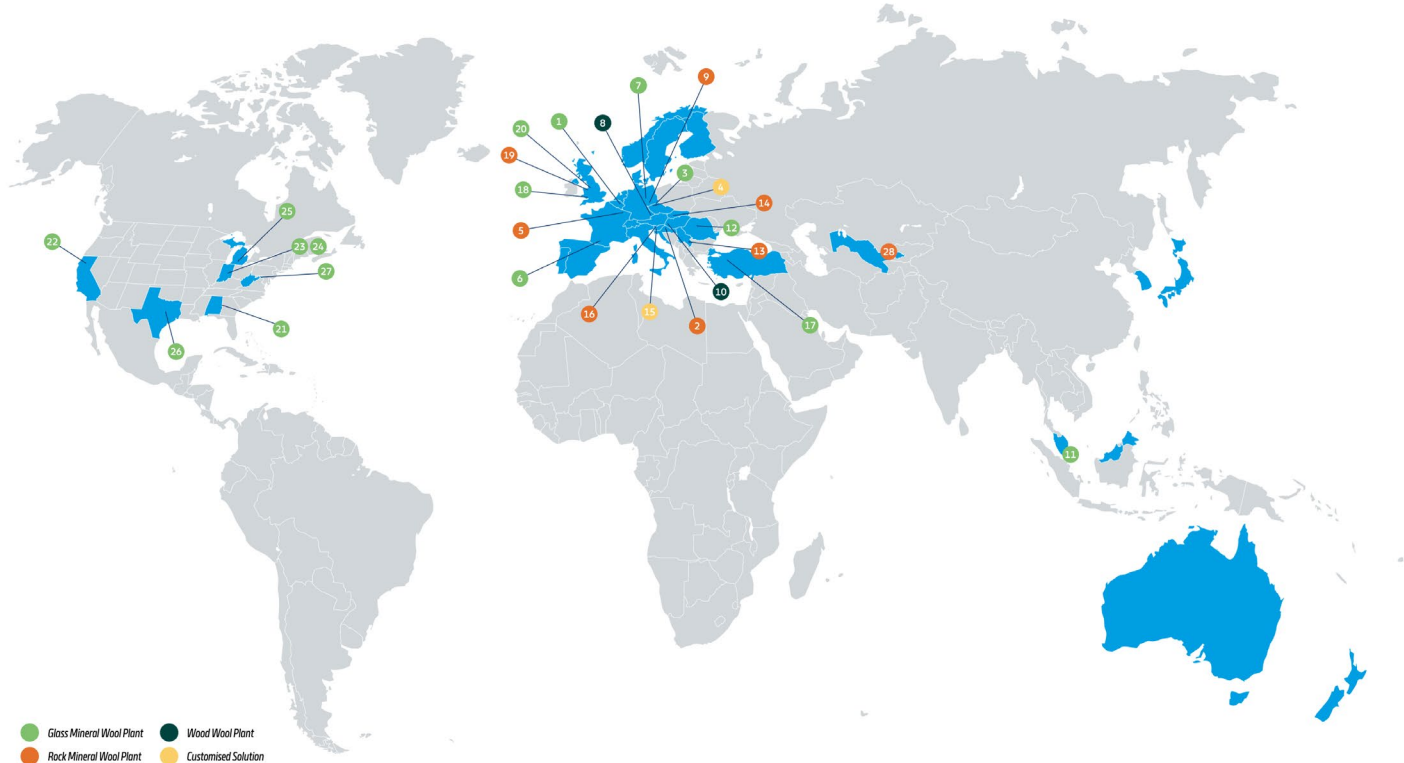
About Knauf Insulation

With more than 40 years of experience in the insulation industry, Knauf Insulation represents one of the fastest growing and most respected names in insulation worldwide.

Knauf Insulation is committed to helping its customers to meet the increasing demand for energy efficiency and sustainability in new and existing homes, non-residential buildings and industrial applications. The company shows a strong and steady financial performance with turnover exceeding €2.9 billion. Knauf Insulation currently has over 6,000 employees in more than 40 countries and 28 manufacturing sites in 15 countries.

Our brand promise

We deliver the best results to our customers by providing high-performing solutions, strong partnerships, and trustworthy hands-on support. At Knauf Group and Knauf Insulation our customers know they can Build on Us.



- Glass Mineral Wool Plant
- Rock Mineral Wool Plant
- Wood Wool Plant
- Customised Solution

- | | | | | | |
|---|---|---|--|--|--|
| 1 Belgium, Visé | 6 France, Lannemezan | 13 Malaysia, Johor Bahru | 16 Slovenia, Škofja Loka | 21 USA, Alabama, Lanett | 26 USA, Texas, McGregor |
| 2 Croatia, Novi Marof | 7 Germany, Bernburg | 12 Romania, Târnăveni | 17 Turkey, Eskişehir | 22 USA, California, Shasta Lake | 27 USA, West Virginia, Inwood |
| 3 Czech Republic, Krupka | 8 Germany, Simbach am Inn | 13 Serbia, Surdulica | 18 United Kingdom, Cwmbran | 23 USA, Indiana, Shelbyville | 28 Uzbekistan, Tashkent |
| 4 Czech Republic, Most | 9 Germany, St. Egidien | 14 Slovakia, Nová Baňa | 19 United Kingdom, Queensferry | 24 USA, Indiana, Shelbyville | |
| 5 France, Illange | 10 Hungary, Zalaegerszeg | 15 Slovenia, Ajdovščina | 20 United Kingdom, St. Helens | 25 USA, Michigan, Albion | |

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