

# FOR A BETTER WORLD

## Contribution des isolants à l'impact environnemental des bâtiments

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Construction durable pour des villes résilientes – LIST 07/06/2023



PUT  
PEOPLE  
FIRST



ACHIEVE  
ZERO  
CARBON



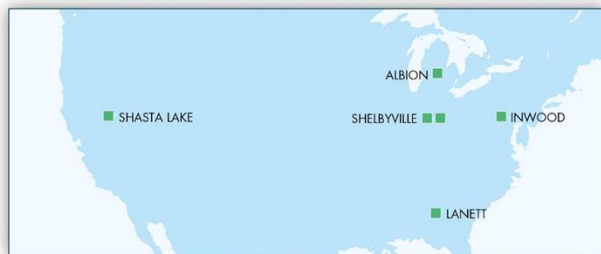
DELIVER A  
CIRCULAR  
ECONOMY



CREATE  
BETTER  
BUILDINGS

# Knauf Insulation in a nutshell

FOR A  
BETTER  
WORLD



# KNAUF

**+40** years of experience in the insulation industry

Around **5,500** employees in more than 40 countries

**27** manufacturing sites in 15 countries

Around **€2.6bn** turnover in 2022

challenge.  
create.  
care.

## KNAUF INSULATION

### MANUFACTURING FACILITIES

- MINERAL WOOL
- WOOD WOOL
- FABRICATION SHOP
- Planned for 2020

KNAUF INSULATION

# Knauf Insulation is defined by Sustainability

FOR A  
BETTER  
WORLD



Over the lifetime of buildings, Knauf Insulation glasswool products save 200 times the emissions generated in manufacturing

**But this is not enough anymore, we need to go beyond ...**

**... Climate Change requires not an evolution but a revolution !**

**Resource**

**Energy**

**Design**

**KNAUF**INSULATION

37%

10%

<1% => 3%

3-5%

Contribution of built environment to  
annual global emissions

Including 10% embodied carbon

Renovation rate across the built  
environment in order for the EU to  
meet its 2050 Carbon Neutral target

Insulation products embodied  
carbon in new constructions



- **Recycled content:** glass cullet (bottles, windows ...) average 60% of total batch. Every 10% cullet => 3% less energy.
- **Recyclability:** in context of circular economy, new (2022) recycling plant **RESULATION** for construction & demolition mineral wool waste
- **ECOSE Technology:** binder based on starch of plants. On-going research on **second generation** to step away from traditional agriculture sourcing



Approx 3000 kWh or 1100 kg CO2 per ton GW

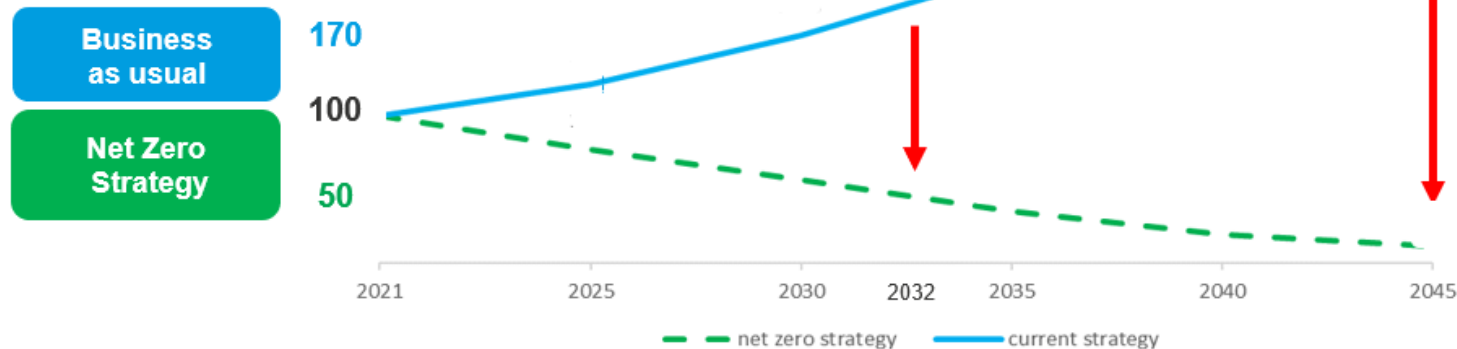
- **Gas & electricity:** main energy carriers. In 2022, most plants converted to **renewable electricity** (on / off sites). Looking for **biomethane** supply opportunities. **Electrification** is a fundamental trend. Longer term, **hydrogen & CCUS** also considered
- **CI – Continuous Improvement:** a **strategic driver** across manufacturing plants triggering **engagement** of colleagues: energy losses (heat recovery, compress air, lighting, motors control ...)

# Aligning our activities with the Paris Climate Agreement is a fundamental transition



## Key carbon reduction pathway Scope 1&2 emissions

5% yearly organic growth

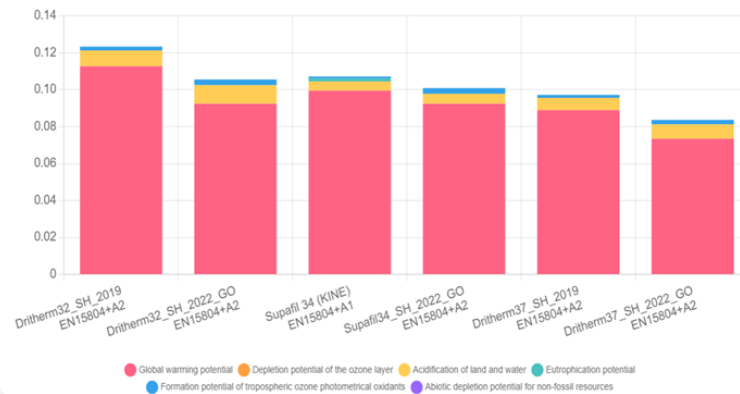


ENERGY RELATED SOURCES + FURNACE RAW MATERIALS EMISSIONS



- **EcoDesign:** > 80% of products covered with **EPDs**. **Innovation** supported by ecodesign: products / systems & buildings

**KINE:** EcoIndex of several solutions of cavity wall GWM products and impact of GO's





**FOR A  
BETTER  
WORLD**

**KNAUFINSULATION**



**Not an evolution, but a  
revolution**

**All KI 5500 employees on board**

**Renovation is the priority**

**New targets 2032**

**Thank you !**