

## MATERIAL SHEET



NEOPS® / January 2024

# NEOPS

## NEOPS®

Range of foams solutions, from renewable resources

### ADVANTAGES OF NEOPS®

- Alternative material solution to fossil-based EPS, **in favour of the circular economy**
- **Preserves feedstock resources**
- Reduced carbon impact compared to EPS
- **Recyclable through existing EPS channels** including **KNAUF Circular®**
- **Suitable for food contact**

### CHARACTERISTICS

- Made from renewable resources\*
- Appearance, performance and technical characteristics identical to EPS
- Various grades available (*food contact, packaging, flame retardant and thermal*)
- Product and process certified REDcert<sup>2</sup>\*\* by TÜV using the mass balance method

\*Biomass from industrial waste unsuitable for food use or organic waste (organic waste from the forestry industry, not involved in deforestation, no competition with agricultural land for food production). Directive (EU) 2015/1513), Annex IX, Part A.

\*\*REDcert<sup>2</sup> is a certification system for the use of renewable resources.

**For all types of protective packaging (wedges, corners...), insulation products & technical parts**



**Become a player in the circular economy with NEOPS® !**





# CERTIFIED FOAMS SOLUTIONS RANGE IN FAVOR OF THE CIRCULAR ECONOMY

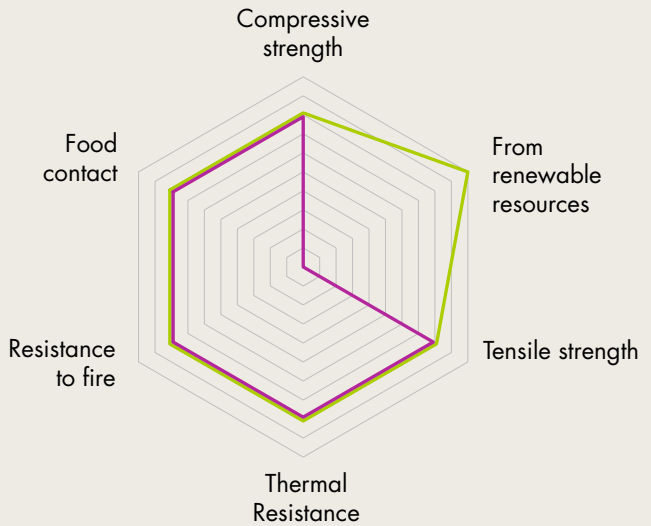
## THE SAME TECHNICAL PERFORMANCE AS EPS BUT WITH A REDUCED ENVIRONMENTAL IMPACT

■ Different material grades are available depending on the performance required: *thermal, fire resistance, shock absorption and food contact*.

■ NEOPS® reduces the use of feedstocks and **has a lower carbon footprint than EPS**.

■ NEOPS® products should be disposed of in the local waste bin\* or in other existing EPS channels including KNAUF Circular®.

\* according to local specifications



## THE MASS BALANCE APPROACH

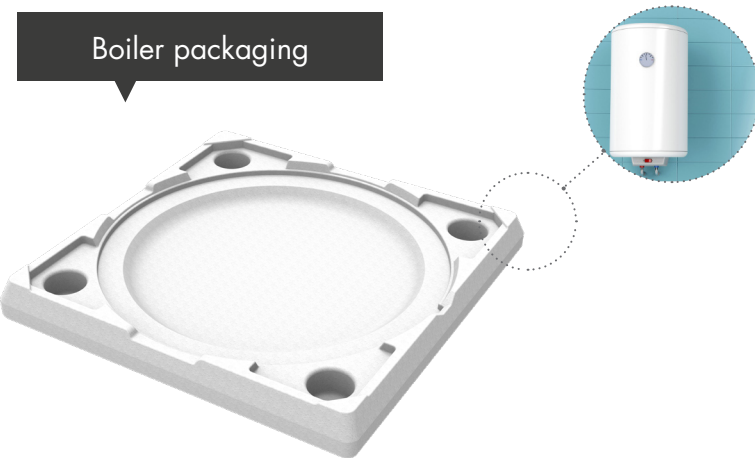


■ The *Mass Balance* approach is a control chain process that ensures the traceability of material flows throughout the supply chain. It is recognised by the Ellen MacArthur Foundation as a solution in favour of the circular economy and has been used for over 20 years in many industrial sectors: *energy, food, packaging, paper, wood, textiles, etc.*

■ In the case of NEOPS®, the resource used comes from biomass, we are then talking about a *biomass balance* approach.

## REDcert<sup>2</sup> CERTIFIED PRODUCTS & PROCESSES

■ For the manufacture of NEOPS® products or parts, the entire value chain is certified, from the resource used to the manufacturing process. Certification of each stage enables us to obtain a product certificate issued by REDcert<sup>2</sup>.



## EXAMPLE OF MATERIAL SAVING WITH NEOPS®

For a boiler manufactured at a rate of 100,000 units per year, the use of NEOPS® protective packaging made in France saves 100 tonnes of raw materials derived from fossil feedstocks per year and reduces CO<sub>2</sub> eq. by 56%.  
*internal average data France 2022, cradle-to-gate*

WOULD YOU LIKE TO INTEGRATE OUR SOLUTIONS INTO YOUR PROJECTS?  
Ask your Knauf Industries contact for advice.

[info-industries@knauf.com](mailto:info-industries@knauf.com)  
[www.knauf-industries.com](http://www.knauf-industries.com)

