

HEALTH AND ENVIRONMENTAL PROTECTION

The incorporation of insulation material from mineral wool makes it possible to build healthy and comfortable living spaces as its properties improve the microclimate in a room and, at the same time ensure excellent thermal, sound and fire protection. Products are tested according to Directives 97/69/EC, for which they were granted the »Test Certificate of Bio-solubility«, demonstrating their health safety. Knauf Insulation products are also ecologically oriented, as they reduce the consumption of thermal energy sources, thereby reducing environmental pollution.

It is also of great importance that the production procedure of mineral wool is carried out in a closed circuit, i.e. production process waste is recycled in briquette manufacturing and then returned back to the production line.

As part of our policy of continuous product development, we reserve the right to revise specifications without notice. The information given in the brochure is correct to the best of our knowledge. It provides general information only and users should verify whether the products described are suitable for their specific requirements.



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Insulation for double-wall stainless steel chimneys CHM S FLOCKS

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KNAUF INSULATION – a leading European producer of chimney insulation

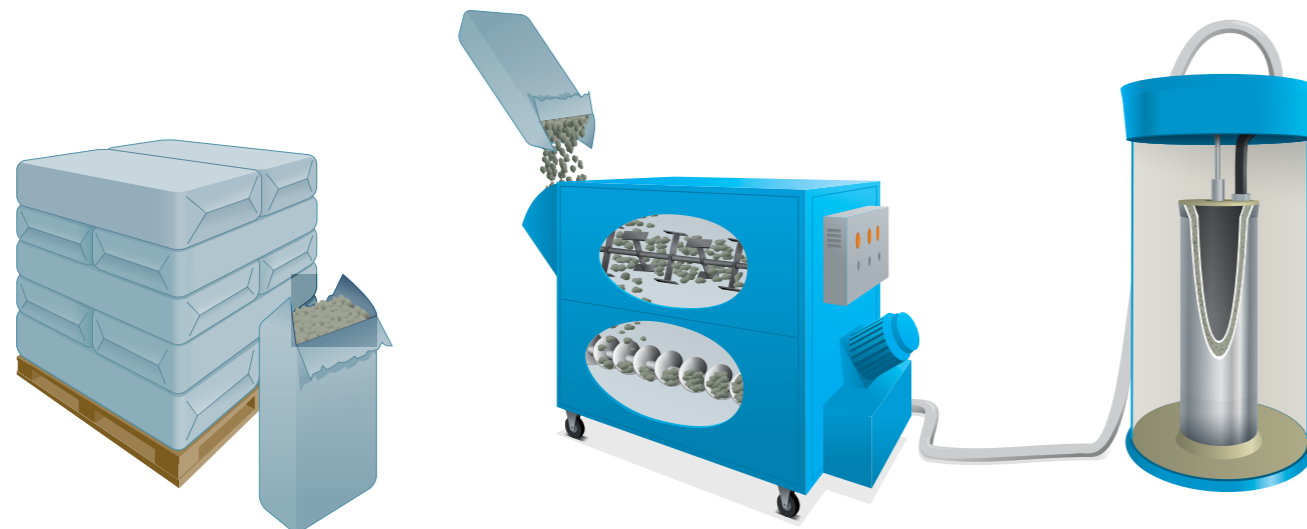
Knauf Insulation is a leading European manufacturer of chimney insulation and supplier to some of the world's largest chimney producers. We offer our clients a **complete range of rock mineral wool insulation products**. Our strategy and partnership with our customers is based on continuous, innovative product development, in order to deliver **premium solutions with proven expertise**.

Knauf Insulation provides solutions for ceramic and stainless steel chimney systems. Our latest innovative chimney insulation product are supreme granulated rock mineral wool fibres – **CHM S FLOCKS** – specially designed to provide **excellent thermal and fire insulation of double-wall stainless steel chimney systems**.

Knauf Insulation CHM S FLOCKS provide **quality**, define **efficiency** and promote **innovation**. Insulating double-wall stainless steel chimneys is fast and simple.



HOW IT WORKS – insulating double-wall stainless steel chimneys



1

Knauf Insulation CHM S FLOCKS are produced by grinding layers of rock mineral wool into smaller particles. Our production process is fully automated, ensuring **consistent**, premium product **quality**. In order to provide optimal service for our customers different flock sizes are available. **Packaging in compressed bags on pallets** proves a highly efficient storage and transport solution.

2

In the **blowing machine**, flocks are fed to the hopper. The feeder transfers flocks to the shredder, while the stream generated by the blower conveys the insulation to the outlet at high speed (air flow and insulation flow can be adjusted).

3

In the **closed cabinet**, ensuring **dust retention**, flocks are blown into the cavity – the hollow space between the inner and outer wall of the stainless-steel chimney pipe, to form an efficient insulation layer. Installation is fast and simple and above all, **independent of chimney pipe diameter**. Chimney producers require only a single insulation product – CHM S FLOCKS – for all chimney pipe diameters.

We provide our customers with technical support in implementing blowing technology.

CHM S FLOCKS – the future of chimney insulation

KNAUF INSULATION CHM S FLOCKS are **bio-soluble** rock mineral wool flocks **made of virgin, binder-free rock mineral wool**.

Completely natural and highly sustainable, CHM S FLOCKS represent the perfect solution for thermal and fire insulation of double-wall stainless steel chimneys, due to their:

- supreme fire protection
- supreme thermal insulation properties
- excellent stability at high temperatures
- high material flow in chimney insulation processes

TECHNICAL DETAILS

- Reaction to fire: Euroclass A1 (EN 13501)
- Melting point: > 1,000°C (DIN 4102 / T17)
- AS Quality: Insulation of Austenitic Steel (EN 13468)



ADVANTAGES FOR CHIMNEY PRODUCERS



TIME EFFICIENCY – fast and simple installation

Filling of the chimney tubes with CHM S FLOCKS is fast and simple, regardless of chimney diameter.



PRODUCTION EFFICIENCY – one product for all chimney diameters

When using standard pipe section insulation, every product needs to be adjusted to each chimney diameter, while insulating special chimney accessories is very time consuming. When using Knauf Insulation CHM S FLOCKS, however, **one product is sufficient** for insulating chimneys of any diameter, greatly simplifying stocking requirements and the production and installation processes. Our advanced production process enables fast response-time to all your supply requirements.



TRANSPORTATION AND STORAGE EFFICIENCY

CHM S FLOCKS are packed in compressed bags on pallets, providing an efficient storage and transport solution. CHM S FLOCKS require **50% less storage space** compared to pipe sections.



QUALITY WITHOUT COMPROMISE

Knauf Insulation CHM S FLOCKS meet all standard requirements for the insulation of stainless steel chimney systems and comply with both RAL and EUCB standards. Superior characteristics like excellent fire protection and stability at high temperatures, melting points above 1,000°C, high thermal insulation properties and high sustainability define it as a premium quality solution.



Knauf Insulation CHM S FLOCKS provide **efficiency where it really matters, quality without compromise, and serve to innovate your production** – welcome to the future of chimney insulation.