

DESIGNED
FOR
CIRCULARITY.

CLIMAFLEX®

naturefoam



TECHNICAL
INSULATION



GUARANTEED
QUALITY,
CERTIFIED
SUSTAINABILITY.

www.nmc-insulation.com

OUR MAIN DRIVER: PROTECTING THE CLIMATE

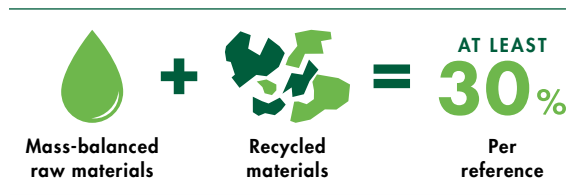
Politicians and consumers alike are constantly demanding greater sustainability in all areas of life, including the construction sector. With this aim in mind, NMC is focusing increasingly on the circular economy and is now launching a brand-new product: CLIMAFLEX® naturefoam.

By investing in new types of facilities and as a result of our own efforts and development work in the field of waste plastic processing, we as a leading manufacturer are able to significantly increase the proportion of recycled raw materials contained in the foam formulations of our well-known range of products. As a result, CLIMAFLEX® naturefoam increases the energy efficiency of technical facilities by providing outstanding insulation, while at the same time promoting the circular economy through the recycling of plastic waste.

**SAVE ENERGY
AND PRESERVE
THE ENVIRONMENT**

THE COMPOSITION MAKES ALL THE DIFFERENCE

CLIMAFLEX® naturefoam pipe insulation contains recycled polyethylene raw materials and is quantified according to the mass balance. Fossil raw materials as well as additives that improve the insulation product's values and enhance its fire protection capabilities round out the composition of the product.



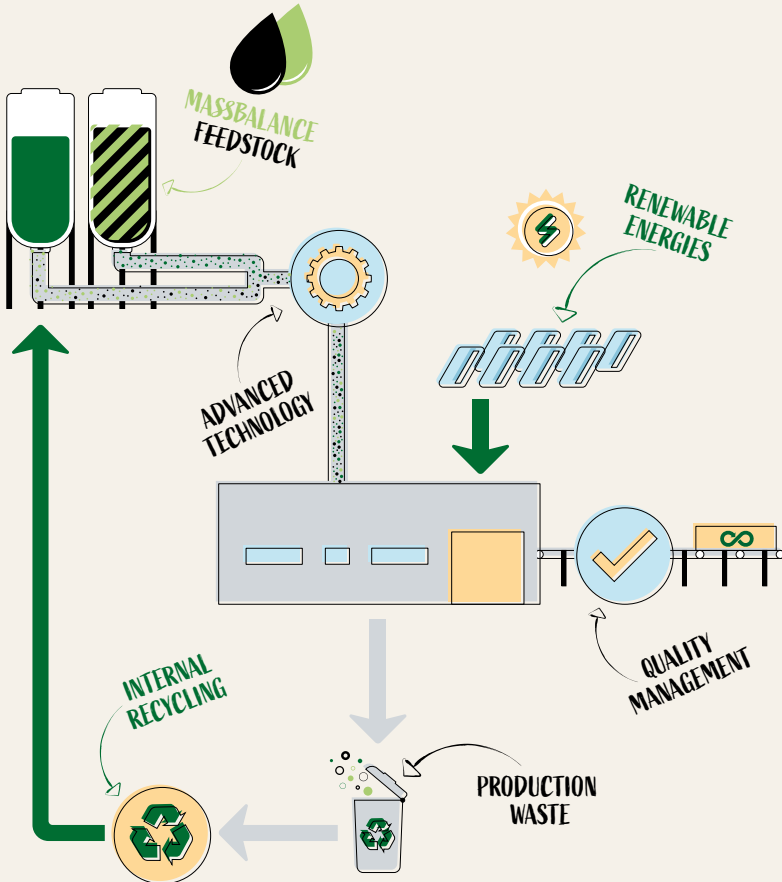
The use of recycled raw materials helps to reduce plastic waste and preserve natural resources – all without any loss of quality, of course.

The raw materials quantified based on mass balance that are used in the manufacture of CLIMAFLEX® naturefoam are bio circular. They contain recycled waste of biological origin derived from agriculture and forestry, as well as other related industries (such as used cooking oil).

During the manufacturing process, these organic waste streams are transformed into pure elements for the production of polyethylene (which is the basic material used for our foam products).



THE NEW
CLIMAFLEX®
naturefoam
CONTAINS
MORE THAN 30%
RECYCLED RAW
MATERIALS.



CLIMAFLEX® naturefoam PRODUCTION

TOP-OF-THE-RANGE PRODUCTS THAT MAKE A CLEAR CONTRIBUTION TO PROTECTING THE CLIMATE

Protecting the climate is a never-ending process. That's why NMC is constantly upgrading the sustainability of its existing product ranges – whether during the manufacturing process itself or in the way it selects its raw materials.

With CLIMAFLEX® naturefoam, we produce pipe insulation that is not only more sustainable, but also has excellent thermal conductivity. Better still, when they come to the end of their service life, CLIMAFLEX® naturefoam products are recycled again, which further contributes to the circular economy.

In the case of CLIMAFLEX® naturefoam, the origin of the raw materials quantified according to the mass balance is demonstrated by ISCC Plus certification. This means that as a manufacturer, NMC is able to quantify the proportion of raw materials that are sustainable and hence feature this percentage on the product itself.

Conclusion: If you want to insulate pipes and ducts effectively and sustainably, CLIMAFLEX® naturefoam is the right choice.

ISCC Plus

The „International Sustainability & Carbon Certification“ is a recognised certification programme for the circular economy.



For companies that use the mass balance method, ISCC Plus certification confirms that the mass balance is established according to predefined and transparent rules. This in turn ensures that the supply chain has been controlled and monitored from start to finish, starting with the manufacture of the raw materials used, right through to the finished product.

CLIMAFLEX® naturefoam

THE RANGE

CLIMAFLEX®

naturefoam

CLIMAFLEX®

naturefoam
easy



Flexible insulating material made of foamed, closed-cell polyethylene.

THERMAL CONDUCTIVITY (EN ISO 8497)

0,036 W/mK at 0 °C

0,040 W/mK at 40 °C

0,043 W/mK at 60 °C

0,045 W/mK at 70 °C

FIRE PERFORMANCE

B_{1s}1 d0 (thickness 5 + 9 + 13 mm)

C_{1s}1 d0 (thickness 20 + 25 mm)

Euroclass E (type 76 x 20 + 89 x 20)



Flexible insulating material made of foamed, closed-cell polyethylene, equipped with a self-adhesive double-sided closing system

THERMAL CONDUCTIVITY (EN ISO 8497)

0,036 W/mK at 0 °C

0,040 W/mK at 40 °C

0,043 W/mK at 60 °C

0,045 W/mK at 70 °C

FIRE PERFORMANCE

B_{1s}1 d0 (thickness 9 + 13 mm)

C_{1s}1 d0 (thickness 20 mm)



TECHNICAL INSULATION

CLIMAFLEX® naturefoam

CLIMAFLEX®

naturefoam
exzentro

CLIMAFLEX®

naturefoam
stabil



Excentric polyethylene-based, closed-cell foam pipe insulation, with a robust protective coating.

THERMAL CONDUCTIVITY (EN ISO 8497)

0,036 W/mK at 0 °C

0,040 W/mK at 40 °C

0,053 W/mK at 90 °C

FIRE PERFORMANCE

Euroclass E



Flexible insulating material made of foamed, closed-cell polyethylene, equipped with a robust protective coating.

THERMAL CONDUCTIVITY (EN ISO 8497)

0,036 W/mK at 0 °C

0,040 W/mK at 40 °C

0,043 W/mK at 60 °C

0,045 W/mK at 70 °C

FIRE PERFORMANCE

Euroclass E

WE TAKE OUR RESPONSIBILITIES SERIOUSLY

As a family-run company, NMC has always been committed to fulfilling its responsibilities to future generations.

This awareness drives us to make a sustainable contribution to climate and environmental protection at various levels. Each phase in the manufacture of our products is monitored and optimised with a view to creating products in a way that helps to conserve the available resources.

NMC'S COMMITMENT TO CLIMATE PROTECTION

- We cover 100% of our electricity consumption with renewable energy. We also have our own photovoltaic installation.
- Having our own recycling facilities means that almost 100% of our production waste is recovered and reused.
- Closed circuits reduce our water consumption to the minimum.
- We have ISO 14001 certification, the international standard for environmental management systems.
- We take part in operation CleanSweep®.



NMC sa

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