

APPLICATIONS

HIGH PERFORMANCE FOAM MATERIALS ARE USED IN ALL SECTORS

NMC foam products provide reliable protection and can be removed completely afterwards.

In addition, our solutions can be integrated easily in existing assembly line productions.

Therefore: maximum protection and guaranteed product quality from manufacture to delivery to the end customer.



FURNISHING INDUSTRY

We provide intelligent packaging solutions to measure for the transport and storage of furniture, so that damage can be effectively prevented. Some of our special foam materials are used in all sorts of upholstery, mattresses, floor mats or noise insulating partitions.



TRANSPORT

Comfort is a matter of the right technique. In the transport our foams are used for acoustic insulation in doors and storage areas and as filler in many bearing components. Other applications include passenger compartments or efficient protection against excessive heating or cold of various components in the engine compartment, making modern transport even more efficient.



CIVIL ENGINEERING

Our special foams offset effectively mechanical stress and temperature differences wherever expansion joints and separations are needed, and reduce noise transmission. In the housing sector, our special foams provide the necessary thermal insulation and thus contribute to sustainable living comfort. In cooperation with reputable pipe manufacturers we see to the preliminary insulation of district heating, heating and sanitary pipes.



WINDOW INDUSTRY

Our protection and packaging profiles ensure flawless delivery of the finished product. Custom-made specially for the respective project, the foam profiles contribute significantly to improving the energy balance successfully thanks to their high insulating value, and thus meet the latest legal requirements.



OFFSHORE INDUSTRY

NMC foam profiles are environmentfriendly, recyclable and durable. Thanks to their flexibility, light weight and high buoyancy, they can be used even in salt water and heavy swell. The wide variety of applications as in shock absorbers, buoys and piers, in the fishing industry, offshore wind farms and in fighting oil spills make this indestructible material indispensable.



SPORT & LEISURE

Our foam products provide reliable protection against injury at sport and play: whether as coating for pillars and bars or wall and floor mats. In gymnastics, the ultra-light and absorbing properties of foam are a permanent component for the sports equipment, thereby providing reliable protection against injuries.



PERSONAL PROTECTION

NMC foam materials are indispensable in water, as lifejackets or non-slip boat mats, as well as on land in bike helmets or jackets, as knee and elbow pads. They are used for safety and comfort in children's seats, bicycle saddles, soles, work clothing as well as for transporting horses and keeping them in stalls.



CONSUMER ELECTRONICS

NMC foam solutions protect efficient and custom household appliances from the manufacturer to the customer. High quality electronic systems in industry and research are protected optimally during frequent transport, and electrostatic charges are hindered effectively.



MEDICAL ENGINEERING

High quality and sensitive goods are protected and packaged efficiently to arrive safely at the end customer. Customised solutions are also used in wheelchairs, shower seats and rescue mats.



For your local contact please visit our website: www.nmc-nomafoam.com

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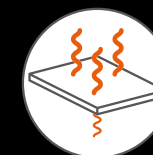
NOMATEC®

comfort and protection for a better life



FUNCTIONS

HIGH PERFORMANCE FOAM MATERIAL WITH MULTI-FACETED PROPERTIES



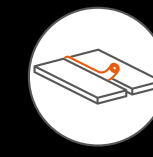
INSULATING

The high thermal and acoustic insulation value of NMC foam components can be used for all purposes: from civil engineering via medical applications, via transport, NMC has a specific application for every sector.



SOUND-PROOFING

Our products help make our environment quieter and therefore less stressful. High absorption values are attained in structure- and air-borne sound. They are used in rail transport, airports and road transport, as partitions, clapper guard, decoupling oder as cabin lining.



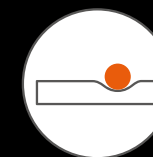
SEALING

Every type of joint requires an appropriate seal. NMC makes sealing materials in particular for humidity and noise that can be used in housing and road construction, the automobile sector, railways and bridges.



PROTECTING

Our solutions for permanent protection from vibrations and impact, for people and sensitive goods. The NMC foam products provide safety (in helmets, as pads or spring mats), protect bars and railings as well as bodies and joints and thus prevent injuries.



UPHOLSTERY

The NMC foam products are perfect for upholstery in various forms: from seats to ergonomic mattresses, children's car seats to sport mats, the special foams are produced to measure for the finished product to ensure optimal comfort.



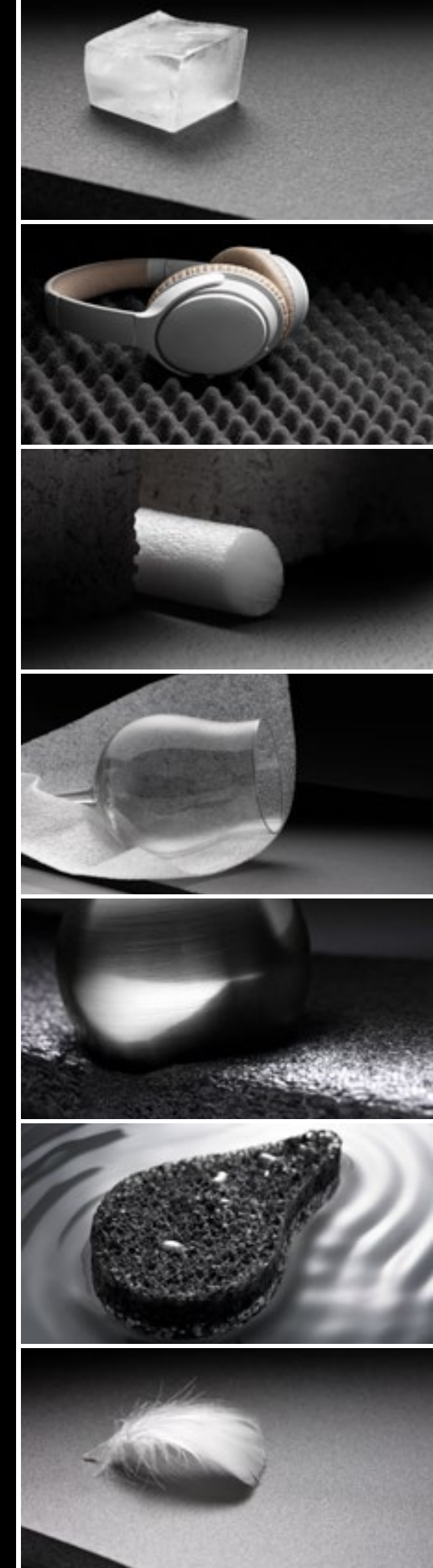
FLOATING

Our light, stable and above all chemically neutral foam materials can be used ecologically in all sectors where the high floatability of this polymer material is indispensable.



LIGHTWEIGHT

Our protection and packaging profiles are light as a feather, save room and thus transport costs. Our foam solutions can be used in particular as structural foam in the transport industry or caravans, as well as in construction in wooden houses.



NMC reserves the right to update the product line or its technical features to the state-of-the-art technology anytime and without previous announcement. All given information is to the best of our knowledge.

If you have any questions concerning technical details please contact the NMC information service. Any partial reproduction or reprint shall require our explicit approval.

NOMATEC®
FOAM THAT
SHAPES
YOUR
IDEAS

NOMATEC®

PERFORMANCE UPGRADE FOR YOUR PRODUCTS

Our manufacturing processes enable us to offer custom-made, technically advanced components for your finished products or specific applications. Our engineers will work alongside your experts to deliver the perfect foam solution customised to your individual requirements.

NOMATEC® IS VERSATILE

You can rely on NOMATEC® to insulate your products effectively and permanently against noise, cold and heat, while protecting them against damp and frost damage or weathering.

To help you bring your project to fruition, please feel free to contact us without obligation or find us on www.nmc-nomafoam.com.



MATERIAL

The most diverse characteristics and attributes allow versatile application in almost every conceivable field. NMC can develop tailor-made formulations or blends in order to reach your needs.

	thermal conductivity	max. service temperature	rigidity	chemical resistance	water absorption	recyclability	thermo-formability
XPE <i>Extruded non cross-linked polyethylene foam</i>	●●●●○	●●●●○	●●●●○	●●●●●	●●●●●	●●●●●	●○○○○
XLPa <i>Extruded chemically cross-linked polyethylene foam</i>	●●●●○	●●●●○	●●●●○	●●●●●	●●●●●	●○○○○	●●●●●
XPP <i>Extruded polypropylene foam</i>	●●●●●	●●●●○	●●●●○	●●●●○	●●●●○	●●●●●	●●●●●
XPS <i>Extruded polystyrene foam</i>	●●●●●	●○○○○	●●●●●	●●●●○	●●●●●	●●●●●	●●●●●
XPET <i>Extruded polyethylene terephthalate</i>	●●●●●	●●●●●	●●●●○	●●●●○	●●●●○	●●●●●	●●●●●
PUR <i>Moulded polyurethane foam</i>	●●●●○	●●●●●	●●●●●	●●●●●	●○○○○	●○○○○	
EPS <i>Expanded polystyrene foam</i>	●●●●○	●●●●○	●●●●○	●●●●○	●○○○○	●●●●●	
NBR <i>Nitrile butadiene rubber</i>	●●●●○	●●●○○	●○○○○	●●●○○	●●●●●	●○○○○	
EPDM <i>Ethylene propylene diene monomer rubber</i>	●●●○○	●●●○○	●○○○○	●●●○○	●●●●●	●○○○○	

PROCESSING

Our core skill lies in the development, production and international marketing of technical foams. We have mastered the required technological methods in order to process raw materials and combine them in a complex and precise production process.

Our products’ varied range of applications can be customized by means of additional processing. Countless techniques and options are available for further improving products during or following the production process.

Naturally we work closely with our customers to collectively devise the best possible solution.

EXTRUSION

Extrusion is the ability to create technical ambitious foam profiles; cross-linked or non-cross-linked sheets and rolls for both standard and custom designed specifications. Thanks to many years of experience, we are able to combine and optimise the whole process and production chain. Various densities, colours, tailor made profiles and foils are also available upon request. Coextrusion is a production process of foam in which two or more compatible feed materials are merged together. Foam profiles can be coated with an additional layer of non foamed material in various colours or they can be reinforced with an additional coating to increase for example their mechanical or UV resistance.

LAMINATING

Lamination is the technique of manufacturing a material in multiple layers, so that the composite material achieves improved strength, sound insulation, appearance or other properties. Whether it will be foam on foam or semi-finished material lamination, high emissivity aluminum foil or hook and loop fastener – there are many possibilities.

THERMOFORMING

Thermoforming is a manufacturing process where a foam product is heated and formed to a specific shape in a mould and finally trimmed to create a finished product. A wide range of extremely complex design criteria can be met and even three dimensional products can be realized.

CONVERSION

ADHESIVE

We are able to apply different types of adhesives to join materials together; either with a hot melt or an adhesive tape. The adhesion can be permanent or removable, adapted to a specific temperature range. We offer a great choice of possibilities.

CUTTING

Extruded profiles or foils and sheets could be up-graded by additional mechanical process like cutting, milling or stamping. According to customer requirement they can be for example, equipped with special cuts to make them more flexible and elastic. Foam profiles can be finished partially cut to simplify handling and avoid waste material.

CONVERTING
TAILOR
MADE
FOAM
SOLUTIONS



CONVERTING

THE RIGHT FOAM BENEFIT FOR YOU

We will work together to develop innovative, customer-oriented products. From the smallest order to the largest bulk order, we guarantee flawless service. By using the most versatile foam materials in the widest array of versions, along with our processing options and possible finishing processes, we can manufacture high-value, highly specific products to your requirements.

To help you bring your project to fruition, please feel free to contact us without obligation or find us on www.nmc-nomafoam.com.