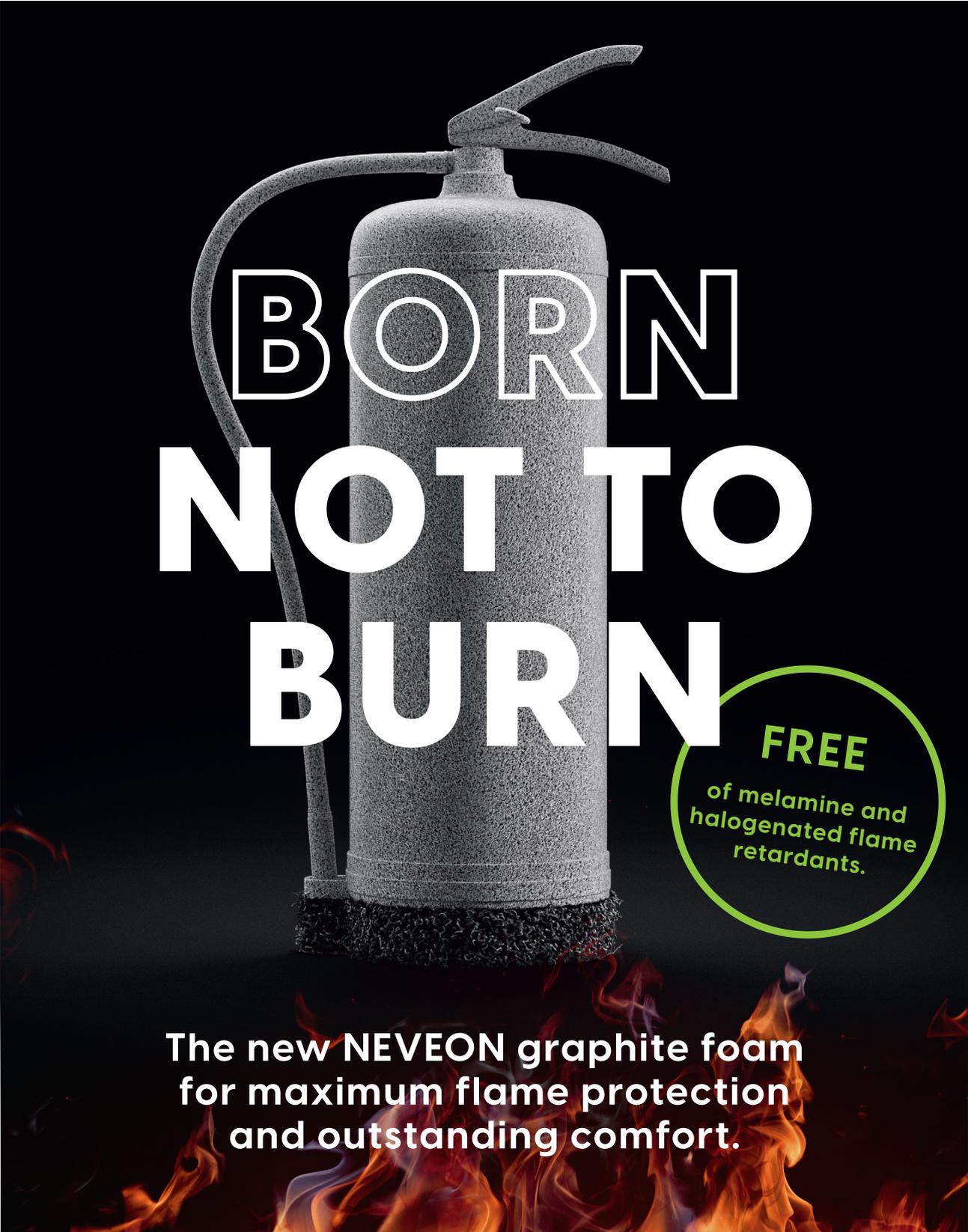


**foam**  
**.protect**



**BORN**  
**NOT TO**  
**BURN**

**FREE**  
of melamine and  
halogenated flame  
retardants.

The new NEVEON graphite foam  
for maximum flame protection  
and outstanding comfort.

**NEVEON**

The Future of Foam

# OUR FLAME-RETARDANT FOAMS DELIVER TOP PERFORMANCE IN EVERY SITUATION

Finding the perfect balance between comfort and safety is essential in many areas of our lives. At NEVEON, we have extensively studied the strict fire safety requirements of the rail and aviation sectors to develop a range of graphite foams for a wide

variety of applications. Our future-proof product solutions provide maximum comfort and are free of melamine and halogens. Our magic ingredient? Expandable graphite!

## GRAPHITE: A RELIABLE MINERAL-BASED FLAME RETARDANT

When exposed to temperatures of 180°C (356°F) and above, the graphite particles embedded in the foam expand to form a protective layer. This shields the foam from flames, preventing it from melting and dripping. The expansion effect also prevents sources of fire from developing within the foam. In addition, the carbon graphite layer absorbs oxygen from the surrounding air, making the foam self-extinguishing.

We would be happy to advise you on which of our graphite foams is the best fit for your product's requirements.

## WE OFFER A WIDE RANGE OF PRO- DUCTS TO MEET A VARIETY OF NEEDS

Our graphite foams are tested for use in the following categories:

- Seats and interior trim for aircraft and railroad cars
- Automotive applications
- Upholstered furniture
- Bedding such as mattresses and pillows
- Packaging

Why not get in touch so we can work on your projects and challenges together? We would be delighted to collaborate with you and expand our portfolio.

## OUR RANGE

Our special future-proof graphite foams do not contain melamine or halogenated flame retardants. They are also more cost-effective and lighter than other products, resulting in a smaller environmental footprint.

### MOLDED GRAPHITE FOAM

Our molded graphite foam is the perfect solution for demanding mass transit applications where comfort is key, such as seats in aircraft and railroad cars.

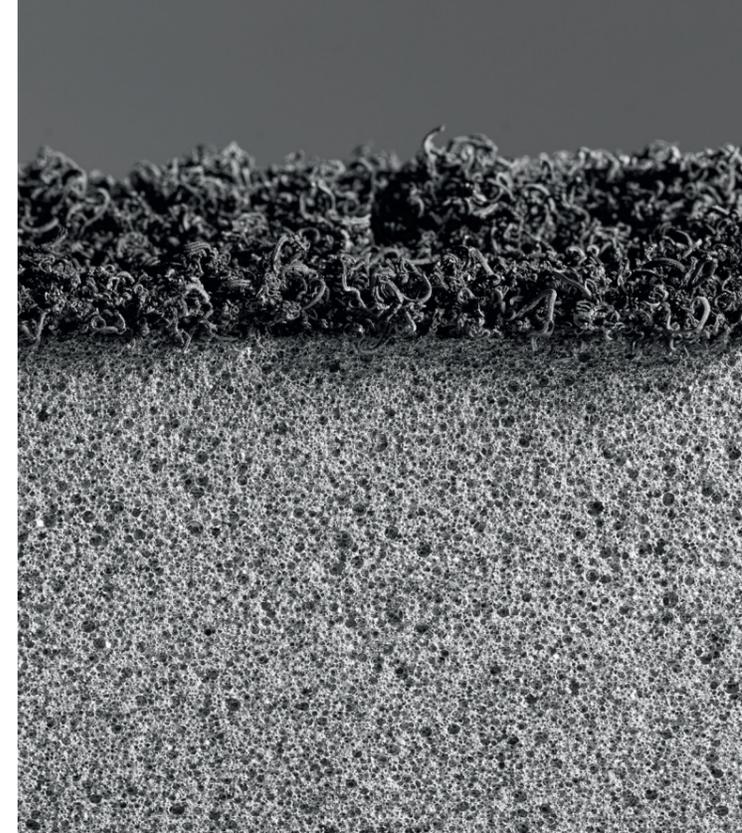
All our molded graphite foams meet the strict fire safety requirements of the aviation and rail industries for a reliable, safe, and comfortable foam material:

- Railroad standard EN 45545-2, (R21) HL3
- Aviation standard FAR 25.853

### GRAPHITE SLABSTOCK

Our graphite slabstock product **endura** is ideal for comfortable specialized mattresses and upholstered furniture offering the highest levels of fire resistance.

We are happy to show you other standard graphite foams on request.



**foam**  
**.protect**

**foam.protect** encompasses all of our foams that offer special protection thanks to their flame-retardant properties. The product line also includes electrically conductive and antistatic foams. Our high-quality graphite foams represent a significant advance, combining flame retardancy with other unique product benefits.

## GRAPHITE FIRE FIGHTERS: OUTSTANDING FIRE SAFETY

At temperatures of 180°C (356°F) and above, our graphite foams form a graphite layer, which dramatically reduces the heat release rate, mass loss, development of smoke, and emission of toxic gases.

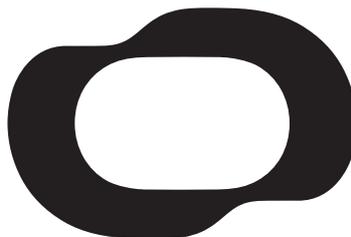




## WE ARE **NEVEON**

We develop products that enhance the lives of people around the world. As a specialist for innovative and sustainable foam solutions we pursue fresh approaches and are passionate about future-oriented ideas.

We offer exceptional flexible and composite foams for the vast diversity of applications provided by our Living & Care, Mobility and Specialties business units.



### **CONTACT**

We will be pleased to provide you with additional product information.

Simply get in touch!

We look forward to hearing from you.

**M:** [office@neveon.com](mailto:office@neveon.com)

**T:** +43 50541 19 001

**NEVEON.COM**