



MATTRESS RECYCLING
AS IMPORTANT STEP
**TOWARDS CIRCULAR
ECONOMY**

NEVEON
The Future of Foam

FROM SINGLE USE TO RECYCLING

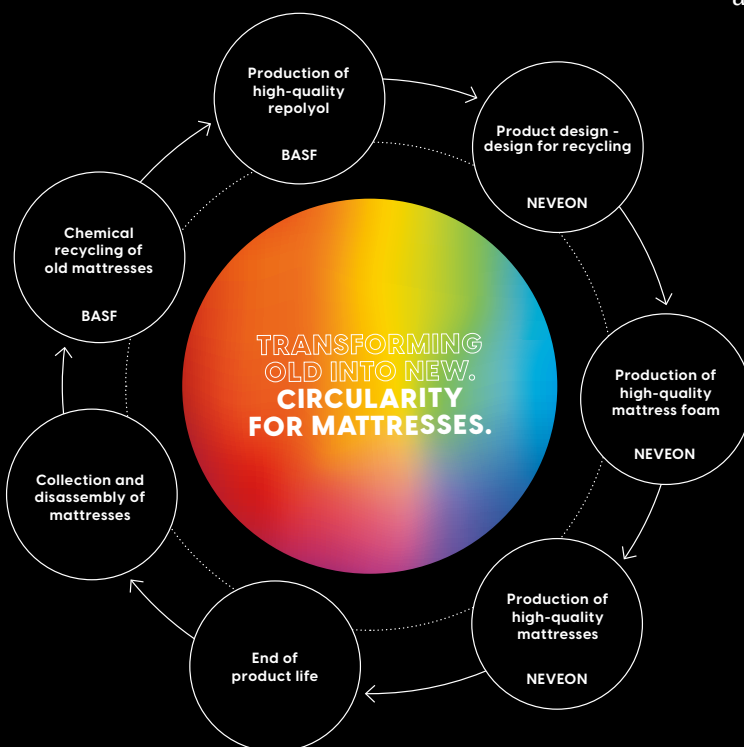
At NEVEON, we believe that the future has a name: circular economy. We are constantly working to develop new, circular business models and maximize the reuse of finite resources in our operations, products, and supply chains. Developing sustainable products, reducing emissions, and supporting a healthy organizational culture are activities that go hand in hand with these goals. They are integral to the standards we uphold in our business and central to our 2028 corporate strategy.

OLD MATTRESSES. FROM TRASH TO TREASURE.

Around 40 million mattresses come to the end of their lives every year in the EU alone. If they were stacked on top of each other, there would be a tower of mattresses 904 times the height of Mount Everest. Sustainable solutions are needed to tackle this huge problem. At the end of its product lifespan, a mattress may be worn out, stained, and yellowed. But that doesn't mean it is worthless. On the contrary, mattresses are made of valuable raw materials, around 10 to 15 kilograms of which is foam. Our goal is to return this foam to the product loop.

SHARING IDEAS. SHAPING THE FUTURE.

Circularity and decoupling growth from resource consumption call for creative thinking and partnerships along the entire value chain. That is why we launched a joint initiative with BASF in 2021 with the aim of making mattresses 100 % circular. While BASF handles the chemical recycling of old mattresses and helps to replace fossil resources with high-quality repolyol, our role at NEVEON is to use the circular feedstock to produce mattresses of the same first-rate quality as mattresses made from virgin polyol. Another part of our mission is to design mattresses that can be easily disassembled and recycled.



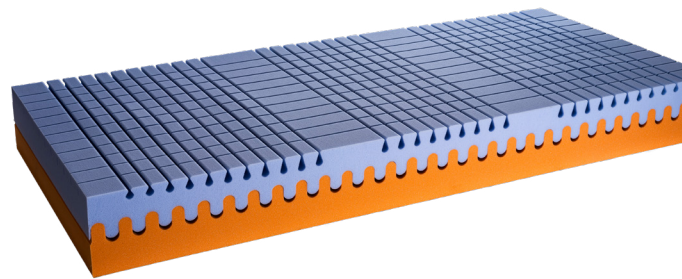
80 % REPOLYOL FOAM 100 % COMFORT

On our shared journey toward a circular economy, we are celebrating an important milestone and technical breakthrough. Together, we are turning old mattress foam into new mattresses.



What this means in practical terms is that BASF has managed to produce repolyol using their newly developed recycling process. At NEVEON, we have succeeded in producing high-quality foam blocks with 80 % recycled content in the polyol component and then transforming them into fully-fledged mattresses.

And these mattresses also have it all. Because they consist of NEVEON repolyol foam on the one hand and REDcert² certified foam on the other. NEVEON combines both without adhesives to create what is probably the world's most sustainable PU-mattress-concept.



NEVEON IS REDcert² CERTIFIED

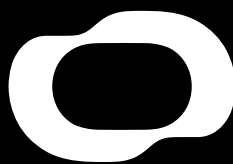
At NEVEON, we are always striving to reduce the carbon footprint of our products and to play our part in the decarbonization of PU value chains. Our REDcert² certification marks another milestone on this journey. By utilizing a mass balance approach in line with REDcert², we are able to employ raw materials in the value added chain in which a high percentage of fossil-based content is replaced by sustainably certified raw materials.

THE SHOW MUST GO ON!

By turning old mattress foam into high-quality foam blocks with 80 % recycled content in the polyol component, we have achieved a technical breakthrough. At the same time, we know that the end of our journey is still some distance away. However, one thing is certain: We will keep at it and continue to put all our energy, conviction, and passion into ensuring that mattresses can be 100 % recycled on an industrial scale in the years ahead. In doing so, we will play our part in creating a sustainable future.



We are NEVEON and foam is our world. As a strong partner of both trade and industry we offer foam solutions for a huge range of applications, from the comfort segment through the transportation sector to a limitless variety of specialty applications. However, irrespective of how dissimilar our products and their areas of employment are, they constantly have one common goal. They offer added value and make life more comfortable, safer and sustainable. Or, in other words, simply better!



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