



**cardyon<sup>®</sup>**

Brighter use of CO<sub>2</sub>



FACT SHEET

Cardyon® is an innovative raw material for the production of high quality, flexible polyurethane foams. It is made with carbon dioxide (up to 20%) – a raw material which is both abundant and available as a chemical feedstock. Cardyon® represents a breakthrough innovation which enables manufacturers to look at alternative and more sustainable raw materials while reducing their reliance on fossil fuels.

## Sustainability at Covestro

Sustainability is embedded into every element of Covestro's business strategy. The company continuously looks at ways to preserve the planet, while improving the quality of life and safety of millions of people around the world. Several products developed by Covestro address the challenges of climate change and its impact on the environment.

With cardyon® Covestro is providing the industry with a more sustainable solution by using carbon dioxide, an industrial waste gas, as a new and useful raw material feedstock. It is also broadening its raw material base beyond fossil hydrocarbons and bio-based raw materials by bringing CO<sub>2</sub> back into the value chain and helping to close the carbon loop.

Covestro's vision is to drive a new perspective within the industry and beyond on value creation through carbon. Cardyon® sets new standards in cutting-edge technology and future-proof products.

## Customer benefits

Using cardyon®:

- Demonstrates your commitment to sustainability and the future of our planet
- Helps close the carbon loop by bringing carbon dioxide back into the value chain
- Reduces the use of scarce fossil resources, such as crude oil, to ease the pressure on our planet's resources
- Helps position your company as an innovative frontrunner in the flexible foam sector
- Means using an award-winning new raw material, produced with leading-edge innovative technology

## Applications

- Upholstered furniture
- Mattresses



## Regional availability

Currently commercially available in Europe



# Less oil, better air: Turning CO<sub>2</sub> into a raw material

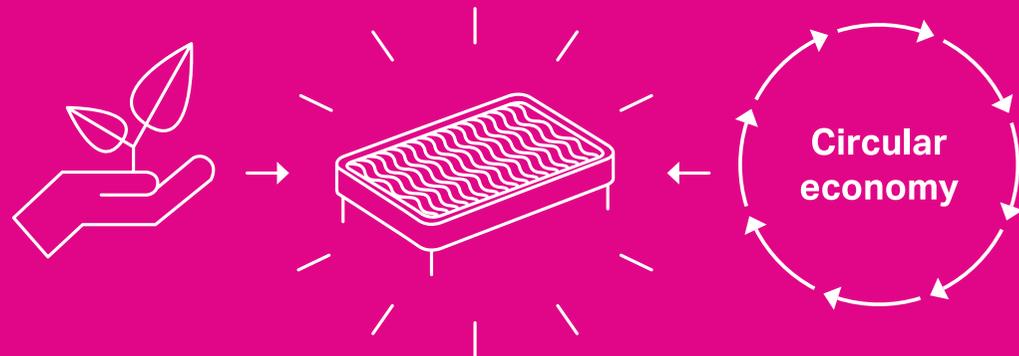
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To find out more about cardyon®,  
please visit:  
[www.cardyon.covestro.com](http://www.cardyon.covestro.com)

We have developed  
an innovative  
technology  
enabling carbon  
capture and  
utilization by partly  
substituting oil-  
based raw materials  
with CO<sub>2</sub>.



**Cardyon®** is a  
breakthrough raw  
material for the  
production of high  
quality flexible foams  
and other dynamic  
solutions.



## **Circular economy**

**Cardyon®** brings CO<sub>2</sub> back into the value chain.  
It broadens the raw material base beyond carbon and supports the circular  
economy through sustainable development.



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