

Kordsa and Continental have joined forces to offer Cokoon, a new eco-friendly adhesion system for textile reinforcing materials, as an open source technology

- **Jointly developed environmentally friendly reinforcing material technology to benefit all tire and MRG manufacturers as well as textile suppliers**
- **Development partners will hand over the related IP to a license pool administered by an independent law firm Advinno**
- **Interested parties can request first lab samples**

Hanover, March 5, 2019. Continental and Kordsa have together developed a new sustainable adhesive technology standard for bonding textile reinforcing materials with rubber compounds. Reinforcing materials of this kind are used in the tire industry, as well as in the production of mechanical rubber goods like hoses and conveyor belts. The new technology enables the bonding activation of textile reinforcing materials without the use of resorcinol and formaldehyde. Continental intends to manufacture the first series-produced tires using this technology in 2019.

The two development partners are offering the new bonding system technology to all other tire manufacturers and the supplier industry as an open source solution under the brand name 'Cokoon'. Free licensing will be handled by the independent law firm Advinno. Continental and Kordsa have chosen to waive development or licensing fees. In return, they expect licensees to make their patents concerning the further enhancement of this technology available to the other partners free of charge via a licensing pool. Interested companies can request first lab samples now.



“We need to break new ground to master the upcoming challenges the future will hold,” says Dr. Andreas Topp, Vice President Material and Process Development and Industrialization at Continental Tires. “The tire industry can send out a clear signal of its responsibility and innovative power by joining to this environmentally friendly open source technology.” Devrim Özyaydin, Global Technology Director at Kordsa, adds: “We are working continuously to introduce more environmentally friendly products in the interests of our employees, society and the environment.”

Until now, the chemicals resorcinol and formaldehyde have been irreplaceable in the bonding activation of textile reinforcing materials to ensure robust adhesion to the surrounding rubber matrix. As these substances are chemically altered by the vulcanization process, they do not escape from the finished products into the environment. With Cokoon dip technology, however, the bonding of textiles to rubber is now possible without these two substances and can be applied without changing process equipment. Further information is available on the internet at www.cokoon.com.

About Continental

Continental develops pioneering technologies and services for sustainable and networked mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transport. In 2018, Continental generated preliminary sales of approximately €44.4 billion and currently employs some 244,000 people in 61 countries and markets.

The Tire division has 24 production and development locations worldwide. As one of the leading tire manufacturers with around 54,000 employees, the division posted sales of €11.3 billion in 2017. Continental ranks among the technology leaders in tire production and offers a broad product range for passenger cars, commercial vehicles and two-wheelers. Through continuous investment in R&D, Continental makes a major contribution to safe, cost-effective and ecologically efficient mobility. The Tire division's portfolio includes services for the tire trade and for fleet applications, as well as digital management systems for commercial vehicle tires.

About Kordsa

Kordsa is the global player of tire reinforcement, construction reinforcement and composite technologies market. As the worldwide leader of the tire reinforcement technologies market, it carries out production through a vast area from USA to Asia Pacific with its 11 production facilities and supplies its reinforcement technologies to the whole world. With its business processes all based on R&D and innovation, Kordsa has 743 patent applications world-wide.

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