

PRESS RELEASE

Headline:

RV-COMPOUND®

RÄDER-VOGEL introduces an innovative bonding system to meet the highest demands

Intro:

RÄDER-VOGEL, the leading manufacturer of VULKOLLAN®¹⁾ and polyurethane wheels from Hamburg, has developed a unique bonding agent system in RV-COMPOUND®, which sets itself apart due to its temperature resistance beyond the liquefaction temperature of a wide range of different wheel treads.

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Wheels and rollers are being exposed to increasingly higher degree of stress levels. The use in continuous operation at speeds of over 22 km/h with high acceleration, high ambient temperatures and extremely dynamic loads places considerable demand on the products. The limiting factor for operation in the highest performance range is the bonding system. The high stress on the tread produces high temperatures, which can lead to the wheel tread coming away from the wheel centre.

‘Our previous solutions were already reaching the limits of possibility, particularly with regard to using our products in intralogistics. Over a period of five years, we have therefore developed the new RV-COMPOUND® bonding system and brought it to production in order to fully utilize the potential of our tread materials,’ explains Tobias Gercke, Technical Director at RÄDER-VOGEL.

RV-COMPOUND® has a high temperature resistance beyond the melting point of a wide range of different wheel treads. Comprehensive test stand runs and field tests verify that the load-bearing reserves are extended in the case of existing wheel designs and higher nominal loads are possible for new designs with an adapted configuration.

As of January 2016, RV-COMPOUND® is used for the production of all VULKOLLAN®¹⁾ and polyurethane wheels from RÄDER-VOGEL and is processed automatically using specifically designed systems. 'Thanks to our new bonding system, our customers can enjoy the full level of performance of our wheels even under the highest demands. Furthermore, during the processing of RV-COMPOUND®, no solvents are used, resulting in improved health and safety for our employees as well as a significant contribution towards environmental and climate protection. An ideal combination for the benefit of everyone,' says Carsten Henning, President and Managing Partner of RÄDER-VOGEL.

¹⁾ = registered trademark Covestro AG

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