

Media Information

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BMW Group uses sustainable paints made from bio-waste

Innovative corrosion protection and matt paint without fossil resources lower CO₂ emissions by 40 percent

Munich. The BMW Group is using innovative technologies in its efforts to improve sustainability and taking advantage of new options to conserve resources and reduce emissions from painting bodywork. The BMW Group is the first automotive manufacturer worldwide to use matt paints made from biomass instead of crude oil at its European plants. In addition to this, BMW Group Plants Leipzig and Rosslyn (South Africa) are also using sustainably-produced corrosion protection. Renewable raw materials such as bio-waste or waste from sewage treatment plants serve as the starting material for the paints. The CO₂ savings determined in a TÜV-certified process amount to over 15,000 tonnes of CO₂ emissions between now and 2030.

“By reducing our use of fossil raw materials, we can conserve natural resources and lower CO₂ emissions at the same time. To achieve this, we are increasingly relying on sustainability innovations in our supplier network,” says Joachim Post, member of the Board of Management of BMW AG responsible for Purchasing and Supplier Network. “Innovative paints based on renewable raw materials are an important step in this direction.”

Organic waste replaces fossil resources

BASF's innovative production process makes it possible to replace petroleum-based precursors, such as naphtha, with renewable raw materials from organic waste, starting in the early stages of paint production. This not only reduces consumption of fossil resources, but also avoids the CO₂ emissions associated with the production, transport and processing of crude oil.

The corrosion protection and matt paints used at BMW Group Plants Leipzig and Rosslyn are chemically identical to the paints previously used, with all the same properties as conventionally manufactured body coatings. Since bio-



based and conventional coatings are produced on the same line, BASF adopts an externally certified mass balance approach.

The amount of paint purchased by the BMW Group is calculated to be exactly equivalent to the amount of bio-naphtha and bio-methane that would be required for 100-percent petroleum-free production. The sustainable manufacturing process reduces the CO₂ emissions from paint production by more than 40 percent. The two BMW Group plants in Leipzig and Rosslyn produce an average of around 250,000 vehicles per year.

If you have any questions, please contact:

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises 31 production and assembly facilities in 15 countries; the company has a global sales network in more than 140 countries.

In 2021, the BMW Group sold over 2.5 million passenger vehicles and more than 194,000 motorcycles worldwide. The profit before tax in the financial year 2021 was € 16.1 billion on revenues amounting to € 111.2 billion. As of 31 December 2021, the BMW Group had a workforce of 118,909 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company set its course for the future early on and is making sustainability and resource efficiency

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the focus of the company's strategic direction – from the supply chain, through production, to the end of the use phase, for all its products.

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