ZSCHIMMER & SCHWARZ

Press Release

Zschimmer & Schwarz researches ecological fire protection for rail vehicles together with partners

Together with a university and a manufacturer of wood products, the speciality chemicals supplier is working on an innovative fire protection varnish

Lahnstein, 22 July 2024 – The Zschimmer & Schwarz Group, a global supplier of chemical auxiliaries and specialities headquartered in Lahnstein, Germany, – together with the Eberswalde University for Sustainable Development and Rülke GmbH – is working on a new fire protection agent for use in rail vehicle construction. The aim of the research project is the development of a transparent fire protection varnish that will enable wood-based materials to be used more extensively in interior fittings.

Volker Krebs, Global Director of the Paints & Coatings Division, is delighted about the collaboration with the Eberswalde University for Sustainable Development and Rülke GmbH: “As a specialist in environmentally friendly, water-based polymer dispersions, we offer a broad portfolio of customised coating formulations for a wide variety of surfaces. In developing a water-based coating with an integrated fire protection retardant, we are working closely with our colleagues at the Mohsdorf site and can draw on their many years of expertise and know-how to bring ecology and economy to a common denominator. Our participation in this project represents an important step towards sustainable product development and is emphasising our commitment to innovation and environmental protection.”

About the project

In the research project “Flame-retardant coating: ecological fire protection in rail vehicles” (FlamenCo), Zschimmer & Schwarz is working in the subprojects 3 and 4 on the development of a flame protection agent based on phosphonic acids and a fire protection varnish based on phosphonic acids. The project is funded by the

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Fachagentur Nachwachsende Rohstoffe e. V. (FNR), which acts as the project management organisation of the Federal Ministry of Food and Agriculture.

Project period: 01.06.2024 – 31.05.2027

Funding codes: 2222HV031C and 2222HV031D

Partners of the research project:

- Eberswalde University for Sustainable Development, Faculty of Wood Engineering, Department Chemistry and Physics of Wood (Lead)
- Rülke GmbH
- Zschimmer & Schwarz Mohsdorf GmbH & Co. KG
- Zschimmer & Schwarz GmbH & Co KG Chemische Fabriken

With support from

Federal Ministry of Food and Agriculture

by decision of the German Bundestag

FNR Fachagentur Nachwachsende Rohstoffe e.V.

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Together with partners, Zschimmer & Schwarz is participating in the joint research project “Flame-retardant coating – ecological fire protection in rail vehicles”.

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About Zschimmer & Schwarz

Zschimmer & Schwarz is a global supplier of chemical auxiliaries and specialities headquartered in Lahnstein near Koblenz, Germany. The company was founded in Chemnitz in 1894 and has been 100% family-owned since. Having supplied speciality chemical solutions for 130 years, Zschimmer & Schwarz is positioned across industries with its nine business divisions. The company develops, produces and distributes tailor-made chemical auxiliaries for the leather, ceramic, textile and chemical fibre industries. Manufacturers of cleaning agents, personal care products, paints and coatings, lubricants and industrial applications all over the world trust in the company’s chemical specialities as well. The corporate group Zschimmer & Schwarz comprises 28 companies in 16 countries on five continents, 21 of which have their own production facilities.

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