

Sustainable Adhesives for Filter Manufacturing

Detmold, 16 February 2022—The adhesives manufacturer Jowat is already successfully meeting the growing global demand for sustainable bonding solutions in many industry applications with products from its “Green Adhesives” range. For the first time at this year’s FILTECH, Jowat will be moving sustainability to the fore of filter production also.

Jowat “Green Adhesives” meet different sustainability aspects and have been developed with the aim of providing every manufacturing company with an opportunity for designing bonding processes which are more responsible in respect both of the environment and of employees and customers. To the adhesives expert from Detmold, sustainable bonding means the successful combination of adhesives with the highest possible content of bio-based raw materials and resources and health-friendly bonding processes—while ensuring that the adhesives are compatible with existing application systems.

Jowatherm-Reaktant® MR for sustainable health and safety at work

The monomer-reduced PUR hot melt adhesives of the Jowatherm-Reaktant® MR product range have a low content of diisocyanate monomers of less than 0.1 percent and are therefore free of hazard labeling requirements. They facilitate processes free of pollutants in many production fields. This protects processors and allows adhesive applications without additional training of the employees. Jowatherm-Reaktant® MR 614.50 is a newly developed adhesive which can be used for the lamination of activated carbon filters and multi-layer filter elements. It provides very good bonding results with small application amounts already. Compared with established products, the adhesive can be processed at relatively low temperatures between 100°C and 120°C and thereby ensures highly resource-friendly and optimized bonding processes. Apart from the health-related aspects and the extra safety, the sustainable use of this adhesive therefore also provides economic benefits.

Bio-based hot melt adhesives of the Jowatherm® GROW series

Bio-based adhesives are the ideal partner for enterprises who are looking for a way to significantly increase the use of sustainable raw materials in their production. The product family “Jowatherm® GROW” almost exclusively uses resins from verified sustainably managed forests or pine resins which are a by-product in paper production. In terms of availability and bonding performance, these bio-based raw materials are comparable with petroleum-based systems and they are not in a competition for resources with the food industry.

The potential application of these powerful and sustainable hot melt adhesives for the pleating of filter media will be a key topic at the Jowat SE booth at this year’s FILTECH in Cologne—hall 8, booth C10.

Further information is available at www.greenadhesives.de

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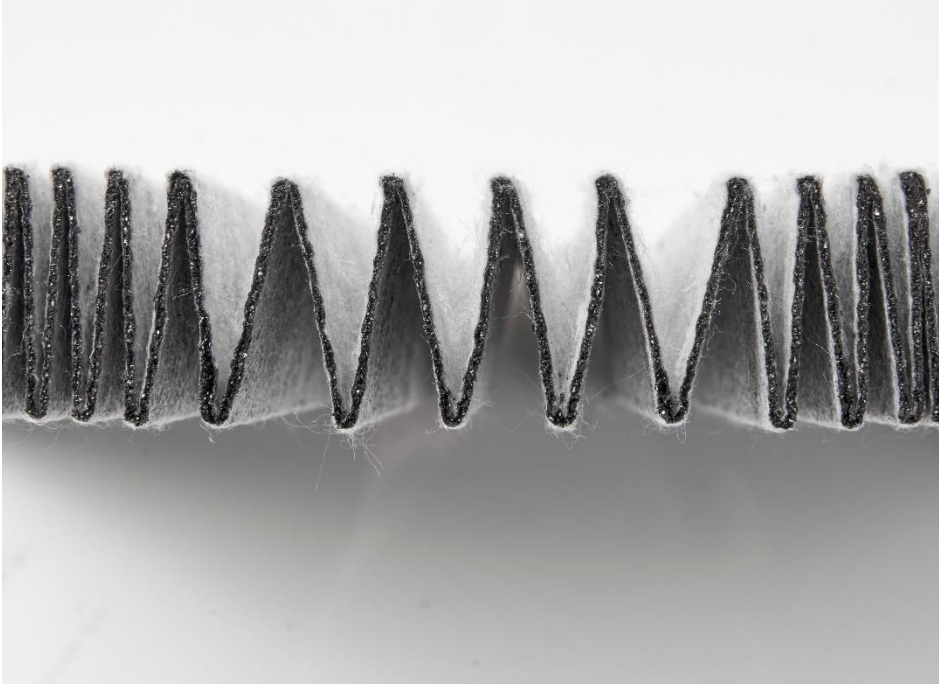
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The following photos are available:

Photo:



Caption: Apart from other applications, the new Jowatherm-Reaktant® MR 614.50 can also be used for the lamination of activated carbon filters.

Source: Jowat SE

Introducing Jowat

Jowat SE with headquarters in Detmold is one of the world's leading suppliers of industrial adhesives. These are mainly used in woodworking and furniture manufacture, in the paper and packaging industry, for graphic arts, in the textile, automotive as well as in the electrical industry. The company was founded in 1919 and has manufacturing sites in Germany in Detmold and Elsteraue, plus three other producing subsidiaries, Jowat Corporation in the USA, Jowat Swiss AG, and Jowat Manufacturing in Malaysia. The supplier of all adhesive groups is manufacturing over 90,000 metric tons of adhesives per year, with more than 1,200 employees. A global sales structure with 23 subsidiaries plus solution partners is guaranteeing local service with close customer contact.

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Further information

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