

## KremGuard - new epoxy prepreg system by Krempel exceeds highest FST requirements

Our latest composite innovation, the epoxy resin-based prepreg system KremGuard meets the highest FST fire protection requirements. During development, we combined the best properties of epoxy and phenol.

KremGuard stands for low flame spread, smoke development, and toxicity. And it is free from phenol, formaldehyde, and halogens. The epoxy prepreg system provides the ideal basis for structural components and honeycomb sandwiches, both in the interior and exterior. Even in complex composite structures, it is non-flammable, limits heat conduction, and minimizes smoke and gas development. In terms of durability and shelf life at room temperature, it shows significant advantages over conventional phenol systems.

KremGuard at a glance:

- Meets the highest FST fire protection requirements – flammability,
- heat release and smoke development are reduced to a minimum
- Excellent mechanical properties
- Free from phenol, formaldehyde and halogens
- Ideal choice for structural components and honeycomb sandwiches
- Homogeneous, non-porous surface
- Improved storability and shelf life compared to traditional phenolic systems

Are you working on the development of aircraft, battery systems, rail, hybrid or electric vehicles? Then bring your product up to the state of the art with KremGuard. You get an epoxy system that not only ensures the highest level of fire safety, but also protects the environment and the health of employees.



The KremGuard prepreg system combines the best properties of epoxy and phenol. It sets a new standard for safety in the air, by rail and in terms of battery-operation on the road.

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## **Company profile**

As a leading manufacturer of electrical insulation materials, composites and electronic materials, Krempel is a system partner for customers in the energy, mobility and industry segments. With more than 150 years of market presence, Krempel is increasingly in demand for energy and mobility issues, which currently have top priority worldwide. The focus is on electrical insulation materials, fiber composites and special films. Our technical materials and components contribute towards protecting life and technology in an efficient, reliable and responsible way.

In the 2022 financial year, the company generated group-wide sales of around 178 million Euros. With about 1100 employees and 11 locations, Krempel has an international presence. The export quota amounts to almost 70 percent.

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