VABER INDUSTRIALE SPA history

Vaber Industriale offers a complete range of solutions based on the needs expressed by the market and when necessary, it is prepared to work in co-engineering and in partnership with its clients. Product lines: Adhesives Sealants Sound damping & protective coating Film & Tapes Equipments & fittings Utilities Special products Sound Damping Coating Intumescent Paint / Sealant Sectors: Car refinishing OEM/OES Transports Vacuum industry Electric Home appliances and Air Conditioning Marine Aerospace Wind power and Photovoltaic energy High-Tech Design components Building / curtain walls Gas, Oil, Water pipelines

In 1957, Vaber Industriale began its activities producing adhesives for Original Equipment in the automotive sector. It is located in Turin, the city that was to become the Italian capital of the automobile with the presence of prestigious names like Lancia, Alfa Romeo and Fiat. In 1965, the company diversified its production entering the promising market of suppliers of original equipment and car refinishing. In those same years, it started the production of a wide range of products for the household appliance and air-conditioning industries. Today, Vaber's business spans the globe with specialty products and partners with innovative companies like Conductive Composites to bring new solutions to their customer in automotive, transportation and marine markets.
Its company's role in the Innovation:
Traditional methods of resistive heating generally use wires which results in weight, limited flexibility, susceptibility to damage, and limits compatibility with composite manufacturing approaches. Using a non-woven veil with tailored resistivity allows for lightweight integration as a layer in a composite structure, fully utilizing heating surface area, while providing ease of integration and robust design.

This innovation significantly contributes to the common good by enhancing the control and efficiency of heating in composite materials, a critical factor in industries such as wind energy, aerospace, and marine. Its versatility extends to applications in automotive, construction, and medical fields, showcasing its adaptability across various sectors. By replacing traditional resistive wires, which are prone to breakage, with a more reliable non-woven nickel product, the innovation ensures enhanced safety and reliability. This is especially vital in environments where failure can have dire consequences. Additionally, the environmental benefits of this innovation are noteworthy. It not only promotes energy efficiency and reduces carbon footprint through its lightweight and durable nature but also supports recyclability, aligning with sustainable manufacturing practices.
What is its environmental impact:
The environmental impact of this innovative approach is substantial and multifaceted. By transitioning from traditional wire systems to a non-woven conductive veil within composite structures, it markedly enhances structural integrity and optimizes manufacturing efficiency. This shift leads to a significant reduction in the weight of the end products, facilitating lower energy consumption in sectors where weight reduction is crucial, such as aerospace and automotive. Utilizing nickel for its superior thermal efficiency, the innovation presents an eco-friendly alternative to other, more environmentally taxing metals. The durability and resilience of the conductive veil also contribute to reducing waste. Unlike wire systems, where a break can render the system unusable, this veil maintains functionality even when partially damaged, thus extending the lifespan of products and diminishing the frequency of replacements. This not only conserves resources but also limits environmental degradation. Furthermore, the end-of-life recyclability of these materials demonstrates a strong commitment to sustainable manufacturing practices. This comprehensive approach to reducing the environmental footprint marks a significant advancement in composite technology, underscoring its role in promoting environmental sustainability.