



A new composite material solution for use in floors, bumpers or door panels (photo: Fibroline)

Composite material based on dry impregnation process

The French company Fibroline has developed an innovative dry impregnation process (Fibroline) for use in boot floors, bumper carriers and door panels. This new type of composite material solution uses an impregnation of cut rovings backed by pulverised resins (thermoplastic or heat curing). Based on the use of an alternating current field, the Fibroline dry impregnation process enables any type of pulverised material to be impregnated in a porous structure (woven and non-woven materials, foam and paper). The powders used may be of different quality and conductivity: this flexibility means a broad range of applications and great diversity of combinations based on matrix / fibre reinforcements.

The innovative characteristics of the patented manufacturing process FibroComp™ were acknowledged by the "JEC Innovation Programme 2007", where it was selected as one of the finalists in the "Processes" category.

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