

Project Overview

New development allowing the use of composite material to make semi-finished decorative surfaces and functional lamination layer products (Acronym: FuriX)

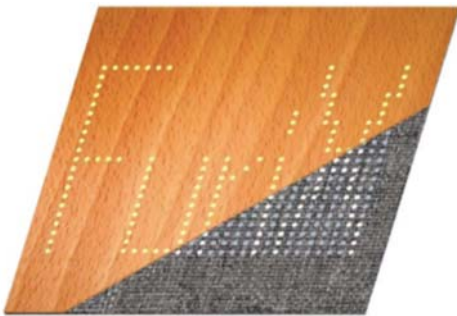


Figure 1: functional semi-finished composite (modified carrier material + decorative layers + control electronics)



Figure 2: potential application of the semi-finished composite as applied to furniture making

Research Topic:

- Development of a semi-finished project made out of decorative layers (for example: real wood veneer or finished foil) and a support layer (fabric)
- Implementation of a controllable, user-specific, micro light source (see figure 1)
- Development of a control device which is application specific to the illustration of symbols or writing (see figure 2)
- Design of structural-mechanical properties for optimal development of the composite materials

Keywords:

- Wood materials
- Renewable raw materials
- Functional integration

Third-party-donors:

- Federal ministry for economics and energy (BMWi)
- Promoter → AIF Project GmbH

Results:

- Development of functional composite materials

Participating Institutions and Contact Details:

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Duration of Project:

- 02/2017 – 01/2020 (36 Months)

Subsidy Amount:

- 190,000. - €