

Moulded skins for decorative surfaces

Project period: 1st May 2017 – 30th September 2018

Supported by:



EUROPÄISCHE UNION
EFRE
Europäischer Fonds für
regionale Entwicklung

Description of the project:

The target is the development of an innovative haptic coating material on the basis of polyurea (PUA). This is to be processed in the 2K/3K-IMC process without release agents and solvents.

Current technologies require release agents (internal, external or both), adhesion promoters and solvents. They cause a cost-intensive, energy-inefficient and unsustainable production process which is also harmful for the environment. The following requirements have to be fulfilled by the aliphatic polyurea system which is to be developed:

- absence of solvents and release agents,
- rapid reaction times,
- good UV- and chemical resistance,
- the resulting stability against yellowing and
- absence of heavy metals.

Of particular importance and the reason why it is defined target of the project is the processing of the polyurea coating without the usage of release agents and solvents. This does not only create a worldwide unique selling proposition. It also ensures a continuous, single-step and sustainable production process with a very low reject rate.

