

Let's shape the future with upcycling

BASF's fiber bonding technology
enabling circularity



 **BASF**

We create chemistry

Flooring

Taking sustainability inside

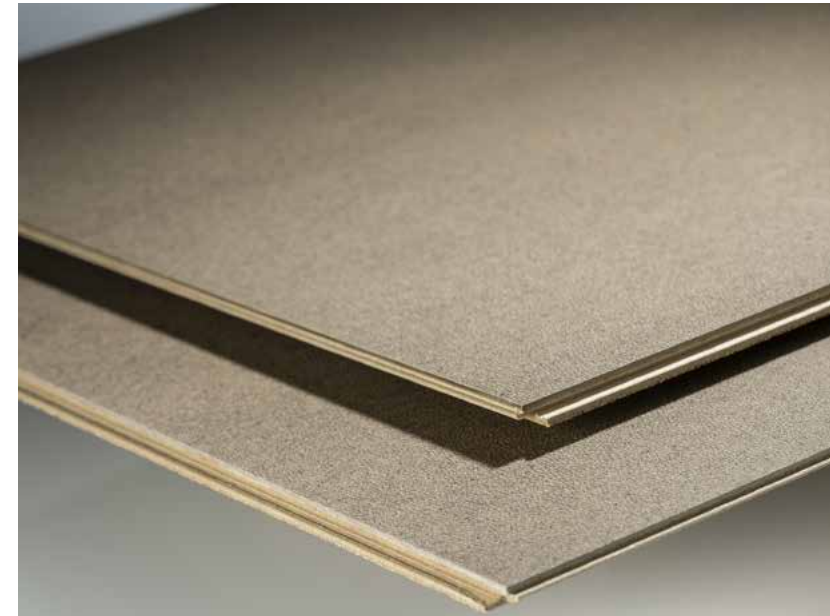
Together with our partner 21upcycling GmbH, we developed a process to produce high-quality panels out of coffee grounds and discarded paper cups or reclaimed denim.

Bringing it all together

BASF's dispersion-based binders bond reclaimed denim fibers from worn-out jeans, used paper-based coffee cups and spent coffee grounds. Both acForm® and Acronal® are low-emission products in terms of formaldehyde and other VOCs.

Protection through reduction

By using reclaimed and waste products, we not only lower the demand for new wood, but can thus reduce the pressure placed on our forests. Moreover, longer life cycles for clothing, single use coffee cups and coffee grounds mean longer CO₂ storage, while simultaneously reducing the amount of used clothing that ends up in landfills.



> Contact

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Facts Flooring

Materials

- spent coffee grounds, paper cups and reclaimed denim

Binder

- acForm® Power 2889, Acronal® 5400, Acronal® S 560

Application

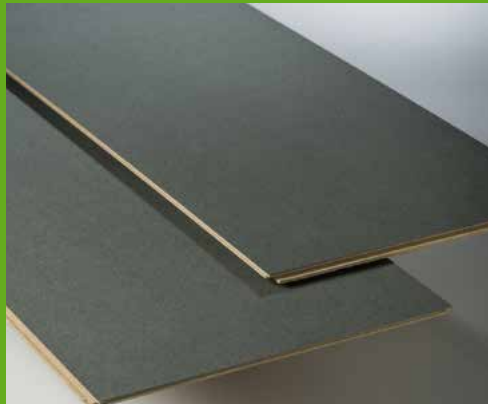
- flooring, wall paneling

Cooperation partner

- 21upcycling GmbH

Potential savings

- wood-based products or other conventional non-wood products



21upcycling GmbH floor PC



Water-based and sustainable at heart. BASF's dispersion- and water-based binders are also available as a biomass-balanced product.

Fiberbonding technology for sustainable upcycling

Process and exemplary materials

- 1 Waste
- 2 Shredding
- 3 Impregnation
- 4 Molding / Forming
- 5 Board
- 6 New Product

