

# Let's shape the future with upcycling

BASF's fiber bonding technology  
enabling circularity



# Table

## Giving sustainability a place at the table

Along with our partner ecobrain, we developed a process to upcycle coffee grounds or spent grain from beer production by pressing them into solid furniture parts.

## Helping things take shape

BASF's binder acForm® enables the boards to be embossed or molded into various shapes. The waterbased binder does not contain isocyanates nor added formaldehyde enabling a safer workplace.

## Protection through reduction

Upcycling coffee grounds and spent grain can help save CO<sub>2</sub> by extending their life cycle and preventing their incineration. Furthermore, by using the reclaimed materials instead of fresh wood in the production of panels reduces the pressure we place on our forests.



## ➤ Contact

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**BASF**  
We create chemistry

# Facts Table

## Materials

- spent coffee grounds

## Binder

- acForm® Power 2889

## Applications

- furniture, shopfitting

## Cooperation partner

- ecobrain

## Potential savings

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



Table made with ecobrain board C



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

