

Guitar

Transforming residuals into instruments

Along with our partners at ChopValue, DenimX, ecobrain, Richter instruments, we developed a process to upcycle coffee grounds, denim and chopsticks into new materials which are suitable to build electric guitars.

Giving the guitar its shape

BASF's binder acForm® enables the molding and embossing of guitar and bass bodies. The waterbased binder does not contain isocyanates nor added formaldehyde enabling a safer workplace.

Protection through reduction

Not only are the cooperation partners able to prevent spent coffee grounds from being incinerated, but they contribute to CO_2 savings by extending their life cycle. Furthermore, using the reclaimed chopsticks instead of fresh wood in the production of guitars reduces the pressure on our forests.



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www.basf.com/fiber-bonding/upcycling



Facts Guitar

Materials

spent coffee grounds, denim and chopsticks

Binder

■ acForm® Power 2889, Acrodur® 950L

Applications

musical instruments

Cooperation partner

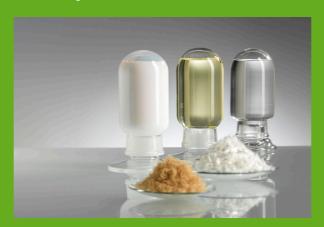
■ ChopValue, DenimX, ecobrain, Richter instruments

Potential savings

wood-based products or other conventional non-wood products



Model electric guitar "Electra"



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

Fiberbonding technology for sustainable upcycling

Process and exemplary materials

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



