

FOLD PRINTING

CALCIUM CARBONATE PASTE PRINTING



WHAT IS FOLD PRINTING?

FOLD Printing is a printing process and paste recipe based on calcium carbonate, CaCO_3 , which is mainly found in stones and shells. It consists of a series of recipes to produce pastes and a paste printing extruder, which can be mounted on any type of extruder printer.

WHAT ARE THE BENEFITS?

- Strong, durable, yet lightweight printing
- Renewable printing material and fully recyclable
- Consumes less energy and produces no waste

WHERE IT CAN BE USED?

3D printing with calcium carbonate paste is currently being developed across the globe, due to the many possibilities it has for waste recycling (of stone waste and shell waste) and energy saving, in combination with producing strong and durable prints capable of carrying heavy loads, for inside as well as outside purposes.

APPLICATION AREAS

FOLD Printing can be used to develop local recycling loops based on eggshells, marine shells (like mussels) or stone waste, which all contain high quantities of CaCO_3 , and can be transformed into 3D printed objects and constructions.

MORE INFO AND CONTACT

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ABOUT BETTER FACTORY

Better Factory is an EU-funded project that invites Small and Medium-sized Manufacturers (SMEs) to redesign their current product portfolio together with Business and Arts mentors and Technology experts.

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