



CONCR3DE
YOUR 3D POWDERHOUSE

MATERIALS TO ACHIEVE YOUR GOALS

CONCR3DE was founded on our desire to upcycle stone waste powders and create sustainable, inorganic, and functional 3D printing materials. Today, our printer range supports a broad and expanding range of powders, including metals, ceramics, biopolymers, and more. We offer the specific binders to match and can customize materials and processes, as well as support research.

POWDERS & BINDERS

The consumables for CONCR3DE printers can be divided in powders and binders. For your convenience, we have clustered the proven combinations based on material types.



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STONE

Powders

MATERIAL	COLOUR	COMPRESSIVE STRENGTH	TENSILE STRENGTH	MAX. TEMP	BULK DENSITY	PRINTED DENSITY	MIN. WALL THICKNESS	CONTENTS
White Carrera	White	23 MPa	5 MPa	N/A	1.200 kg/m ³	1.900 kg/m ³	3 mm	30 kg
Grey Granite	Grey	23 MPa	5 MPa	N/A	1.200 kg/m ³	1.900 kg/m ³	3 mm	30 kg
Limestone	Beige	23 MPa	5 MPa	N/A	1.200 kg/m ³	1.900 kg/m ³	3 mm	30 kg
Foundry Ecosand	White	9 MPa	1.5 MPa	1.650°C	1.200 kg/m ³	1.650 kg/m ³	2 mm	30 kg

Binders & Sealers	MATERIAL	TYPE	COMPATIBILITY	CONTENTS
	G3CO	Aqueous	Mortars, concrete	25 liters
	Sealer		Mortars, concrete	10 liters

CERAMICS

Powders The below compounds have been thoroughly tested by CONCR3DE, which resulted in confirmed feasibility for printing these materials using our printers. Are you looking for specific material properties or design parameters? Contact us to learn more!

Material Alumina, Silicon carbide, Hydroxy apatite, Porcelain, Stoneware

Binders	MATERIAL	TYPE	COMPATIBILITY	CONTENTS
	C-binder	Solvent	Ceramics	10 liters

METALS

Powders The below compounds have been thoroughly tested by CONCR3DE, which resulted in confirmed feasibility for printing these materials using our printers. Are you looking for specific material properties or design parameters? Contact us to learn more!

Material Stainless steel S316L, Stainless steel 17-4 PH, Copper, Bronze

Binders	MATERIAL	TYPE	COMPATIBILITY	CONTENTS
	M-binder	Solvent	Metals	10 liters

OTHER

Powders The below compounds have been thoroughly tested by CONCR3DE, which resulted in confirmed feasibility for printing these materials using our printers. Are you looking for specific material properties or design parameters? Contact us to learn more!

Material Sawdust, Geopolymers, Photocuring polymers. Your material or waste stream?

Binders	MATERIAL	TYPE	COMPATIBILITY	CONTENTS
	G3CO	Aqueous	Geopolymers	25 liters
	M-binder	Solvent	Sawdust	10 liters
	Your custom binder or process?			

Many years of experience with binder jetting and many different materials allow us to create different mixes, binders, and processes to achieve your materialization goals.

Are you looking to use another material or waste stream to create new parts or objects? Send us an email at info@concr3de.com or call +31 850 606 171 – our team is happy to advise.

CONCR3DE

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