



CONCR3DE
YOUR 3D POWDERHOUSE



ARMADILLO GREY

We founded CONCR3DE with the goal of 3D printing minerals without limitations. Armadillo Grey is the result of our journey to create the best possible platform for printing stone and concrete compounds. It enables combining the benefits of additive manufacturing with the look and feel and material properties for a multitude of applications, including construction, art, and consumer goods.

[CONCR3DE.COM](https://concr3de.com)

MINERAL AND CONCRETE PRINTING



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Armadillo Grey allows you to print a wide range of stone and concrete materials using readily available powders and binders. This printer was designed for production runs with smaller objects. It is also exceptionally well suited to perform low volume test or sample prints in conjunction with its larger sibling, Mammoth. Armadillo Grey features all the add-ons we came to know as indispensable for efficiently printing high-quality objects.

ROCK-SOLID FEATURES

VALIDATED MATERIALS • Armadillo Grey supports a range of fully validated minerals. Current options include recycled marble, granite and limestone compounds, concrete, and more. If you are looking use Armadillo Grey to print a specific compound, our experienced team is at your service to advise and support.

MATERIAL PROPERTY	VALUE
Compressive strength	23 MPa
Tensile strength	5 MPa
Bulk density	1.200 kg/m ³
Printed density	1.700 kg/m ³

REDUCTION INSERT • The Reduction Insert is an add-on that shrinks the minimum print size. This means you can start printing with less than 1 liter of powder, reducing your waste, preparation time and costs. Once you progress, simply take it out to print full scale, all in one versatile printer.

INTUITIVE AND FLEXIBLE

INTEGRATED NOAH CONTROL • Armadillo Grey features an integrated control station with our custom and fully open NOAH software pre-installed on optimized hardware. NOAH offers full access to all parameters of the printing process and lets you conveniently control any add-ons installed on the printer.

FROM SMALL TO LARGE

YOUR PROTOTYPING PARTNER • Armadillo Grey is excellent for developing geometries, creating samples and testing colours. It is the perfect partner to a larger system. CONCR3DE is developing the Elephant and Mammoth range 3D printers, with large scale capabilities for architecture, mass production product design, and interior finishes. Use the Armadillo for quick and easy tests and samples, while you produce at scale in your Elephant or Mammoth 3D printer.

TECHNICAL SPECIFICATIONS	ARMADILLO WHITE
Print box dimensions	370 x 260 x 250 mm
Capacity	48 or 96 liters/day
Printhead precision	400 DPI
Layer height	200 – 300 µm
Powder compatibility	CONCR3DE minerals
Binder compatibility	CONCR3DE G3CO
Power requirements	230 V
Dimensions	1.600 x 1.200 x 1.600 mm
Space requirements	2.400 x 2.000 x 2.200 mm
Weight	450 kg
Software	NOAH (included)

Would you like to see more examples of what Armadillo Grey can do? Visit www.concr3de.com for more information. Are you ready to discuss your application? Send us an email at info@concr3de.com or call +31 (0)85 0606 171.

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