

KeraEx

Ceramic Setter Plates

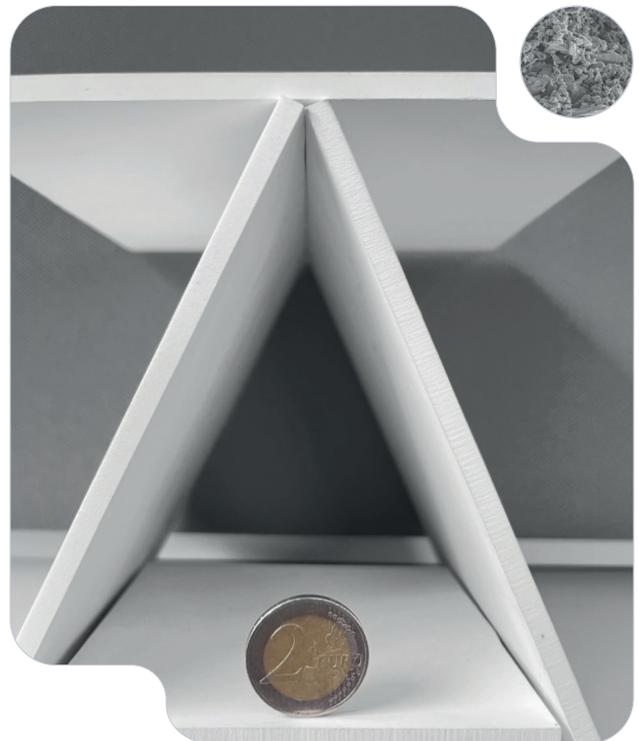
DATA SHEET

Applications

- Metal injection molding (MIM) and ceramic injection molding (CIM) during debinding and sintering of complex shapes
- Additive manufacturing (AM), providing support and sintering of 3D-printed ceramic and metal parts
- Low-temperature and high-temperature co-fired ceramics (LTCC & HTCC), ensuring smooth surfaces and precise layer alignment
- Dental ceramics, such as crowns, bridges, and other dental components

Advantages

- Lower energy use from reduced plate weight
- Fast processing thanks to high thermal shock resistance
- High yield with minimal distortion
- Smooth, uniform surfaces
- Chemically and thermally stable (>99% Al₂O₃)
- Single-plate use reduces tooling and shelves



The KeraEx Ceramic Setter Plates deliver precise, distortion-free results for MIM/CIM, additive manufacturing, co-fired ceramics, and dental applications. Their high stability ensures smooth surfaces and protects sensitive materials, while single-plate use simplifies production and maximizes yield.

Typical characteristics	Unit	Value
Porosity	Vol.%	33 - 36
Surface roughness R _a	µm	< 2.0
Purity alumina	%	> 99
Bending strength	MPa	> 60
Camber	%	< 0.3
Temperature	°C	max. 1400 *

! We cut the material according to your wishes!
Please send in your CAD data.

* Suitability must be verified by the customer through own testing.

kerafol.com

Note

Disclaimer of Warranties and Limitation of Liability

The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards. Unless expressly authorized by us in writing, our products must not be used in any application where product failure or the consequences thereof could reasonably be expected to result in personal injury or harm. We make no representations, warranties, or assurances regarding the accuracy, completeness, or suitability of the information contained herein, including, without limitation, any warranty of non-infringement of third-party intellectual property rights.

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