

LO-MASS[®] ULTRA

KILN FURNITURE SYSTEMS
FOR FIRING CERAMIC &
COMPOSITE SUBSTRATES

SAVE COSTS & ENERGY FOR A SUSTAINABLE FUTURE

At Saint-Gobain, our commitment to sustainability enables us to develop innovative, cost effective solutions that meet the challenge of protecting the environment.

Our Lo-Mass[®] Ultra kiln furniture systems for firing ceramic and ceramic composite substrates for Power Electronics manufacturing include 2 mm thick slabs for advanced kiln furniture assemblies. They allow for high capacity loading in automated industrial operations.

BENEFITS LO-MASS[®] ULTRA



Energy savings &
CO₂ reduction



Increased productivity



Improved life time
(up to 1000 cycles)



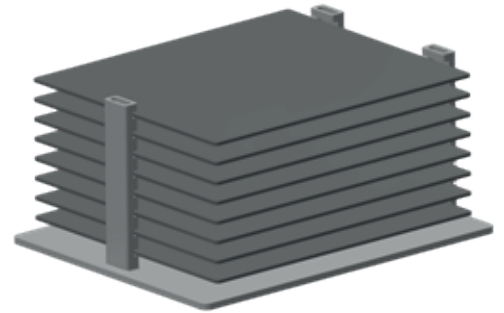
Low reactivity

OUR LO-MASS® ULTRA PRODUCTS ≤ 2 MM

Saint-Gobain's innovative, Lo-Mass® Ultra slab systems are developed for highly flexible kiln furniture rack designs with sizes up to 200 mm x 250 mm and a thickness down to 2 mm. This enables an optimal combination of product design, geometry and overall efficiency.

Our slabs are available in a variety of shapes. They are manufactured with our industry proven N-Durance® and Crystar® advanced silicon carbide materials. Both materials exhibit excellent strength, thermal conductivity and thermal shock resistance that allows for fast firing cycles and uniform product temperatures throughout the kiln furniture assembly racks.

Customized ceramic coatings are available for Lo-Mass® Ultra slabs to enhance product compatibility. Re-coating of Lo-Mass® Ultra slabs is also possible.



FEATURES & BENEFITS LO-MASS® ULTRA

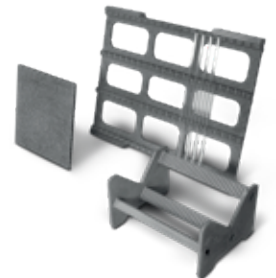
- shorter firing cycles
- optimized flatness and surface finish
- controlled porosity
- maximized life cycle
- minimum thermal mass for optimized temperature uniformity
- automation flexibility

Increased energy savings and CO₂ emission reduction



With our Lo-Mass® Ultra kiln furniture systems, we are able to provide our customers with tangible solutions to significantly save energy and reduce CO₂ emissions. Our Lo-Mass® Ultra kiln furniture systems enable our customers to increase productivity while processing in a more sustainable and “greener” environment. Our products and systems are designed to improve the product to kiln furniture ratio allowing for optimal product loading and overall firing efficiency.

Leverage Our Expertise.

Saint-Gobain Performance Ceramics & Refractories engineers and researchers collaborate with you, our customers, to solve operational challenges with customized kiln furniture solutions. Our complete product range extends to alumina/mullite and zirconia kiln furniture.



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PERFORMANCE CERAMICS & REFRACTORIES


SAINT-GOBAIN