

LO-MASS[®] ULTRA

KILN FURNITURE FOR THE
DINNERWARE & SANITARY
WARE INDUSTRIES

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 dinnerware, porcelain and sanitary ware products include 4 mm thick slabs and plate setters for advanced kiln furniture assemblies. They allow for high capacity loading in automated industrial operations. Used in both batch and tunnel kiln firing up to 1500°C.

BENEFITS LO-MASS[®] ULTRA



Faster heating & cooling
cycles (fast firing kiln)



Weight mass reduction



Increased productivity



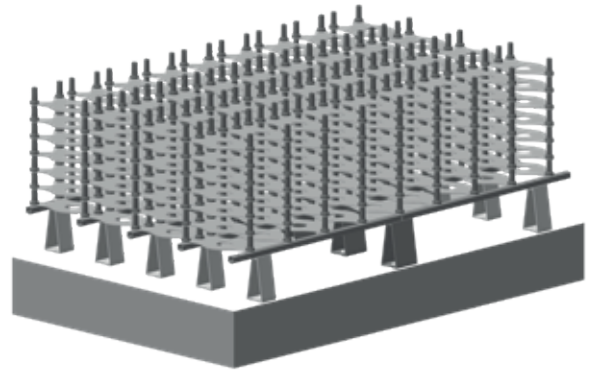
40% energy savings &
CO₂ reduction

OUR LO-MASS® ULTRA SOLUTION

Saint-Gobain's innovative, Lo-Mass® Ultra slab and plate setter systems are developed for highly flexible kiln furniture rack designs with sizes up to 550 mm x 750 mm. This enables an optimal combination of product design, geometry and overall efficiency.

4 mm thick slab and plate setters 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.

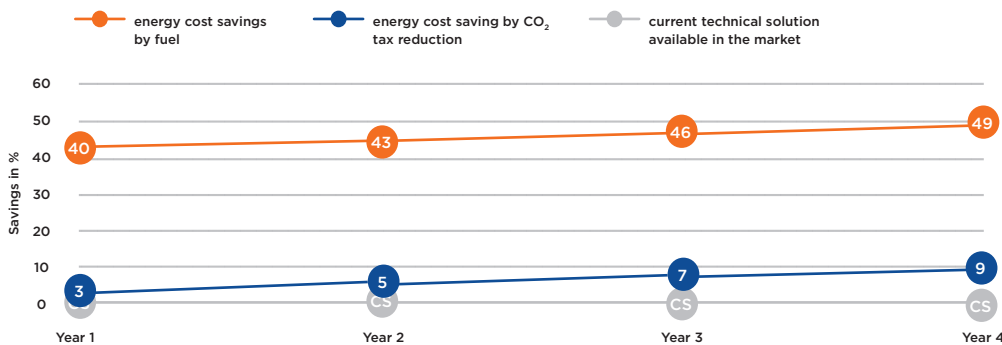
Customized ceramic coatings are available for Lo-Mass® Ultra slab and plate setters to enhance product compatibility. Re-coating of Lo-Mass® Ultra slab and plate setters is also possible.



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.

SAVINGS 6 MM SLABS REPLACED BY 4 MM SLABS IN %



TOTAL CO₂ REDUCTION

40%

TOTAL WEIGHT REDUCTION

33%

* by replacement of 6 mm slabs

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.



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PERFORMANCE CERAMICS & REFRACTORIES

SAINT-GOBAIN