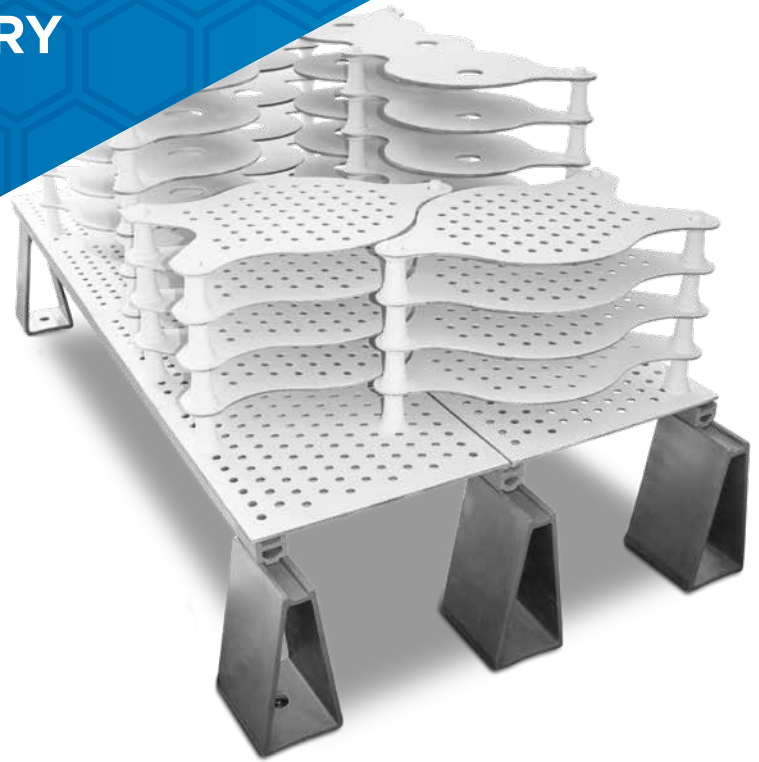


SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

LO-MASS® ULTRA

KILN FURNITURE FOR THE DINNERWARE & SANITARY WARE INDUSTRIES



SAVE COSTS AND ENERGY FOR A SUSTAINABLE FUTURE

At Saint-Gobain, our commitment to sustainability drives us to develop innovative, cost-effective solutions that support our efforts in 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 in both batch and tunnel kiln firing up to 1,500°C.

BENEFITS



Accelerated heating & cooling
cycles (fast-firing kiln)



Reduced furniture mass



Increased service life



40% Reduced energy costs
& CO₂ emissions



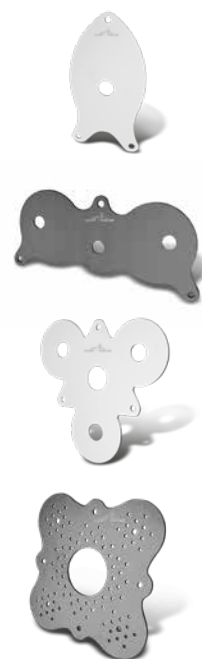

SAINT-GOBAIN

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.

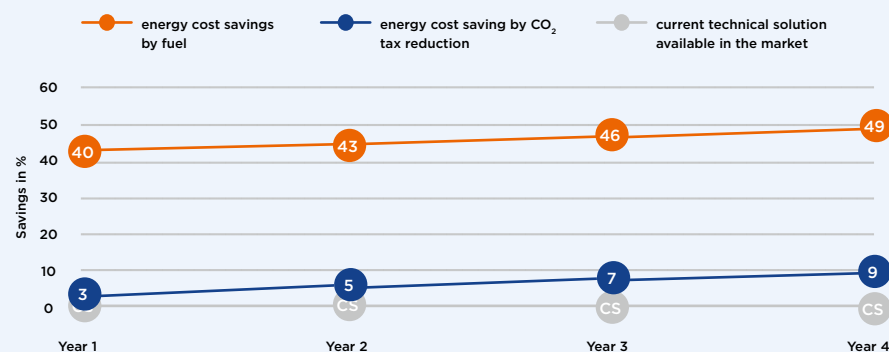
Customized ceramic coatings are available for Lo-Mass® Ultra slab and plate setters to enhance product compatibility. Re-coating of Lo-Mass® Ultra slab and plate setters is also possible, extending service life.



INCREASED ENERGY SAVINGS AND CO₂ EMISSION REDUCTION

With our Lo-Mass® Ultra kiln furniture systems, we 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 with greater stacking density while increasing the efficiency and quality of the firing process. 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 %



UP TO 40% ENERGY SAVINGS*



40%
TOTAL CO₂
REDUCTION



33%
TOTAL WEIGHT
REDUCTION

*by replacement of 6 mm slabs

SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

For more information:
www.ceramicsrefractories.saint-gobain.com
ceramics.refractories@saint-gobain.com

Follow us on



GERMANY

Saint-Gobain IndustrieKeramik Rödental GmbH
Oeslauer Straße 35, 96472 Rödental
PHONE: +49 (0) 9563 724 201

The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain Performance Ceramics & Refractories. Process parameters and requirements can impact typical values and test methods. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain Performance Ceramics & Refractories Terms and Conditions apply to all purchases.

Copyright © 2024, Saint-Gobain Performance Ceramics & Refractories. All rights reserved.

