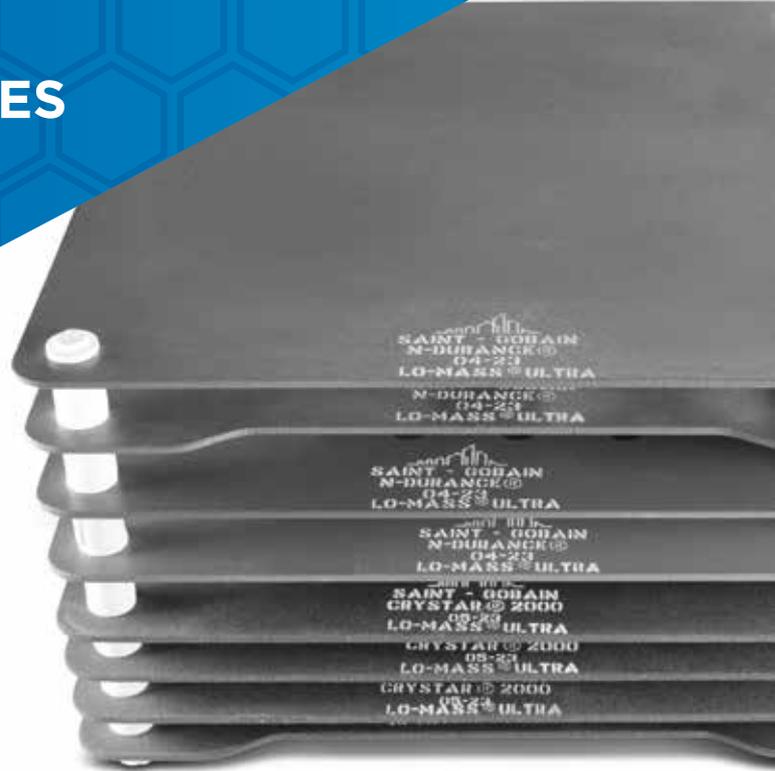


# LO-MASS<sup>®</sup> ULTRA

## KILN FURNITURE FOR CERAMIC SUBSTRATES FOR FUEL CELLS



## 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<sup>®</sup> Ultra kiln furniture systems used in firing ceramic substrates for Solid Oxide Fuel Cell (SOFC) & Solid Oxide Electrolyzer Cell (SOEC) manufacturing include 3 & 4 mm thick slabs for advanced kiln furniture assemblies. They allow for high-capacity loading in automated industrial operations. Saint-Gobain specializes in producing effective, high-performing products that will meet your needs now and in the future.

### BENEFITS



Reduced energy consumption



Reduced CO<sub>2</sub> emissions



Increased productivity



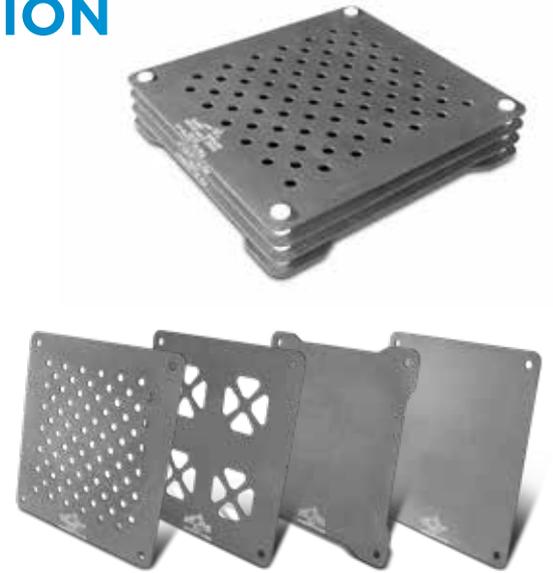
Extended ceramic service life



# OUR LO-MASS® ULTRA SOLUTION

Saint-Gobain's innovative, Lo-Mass® Ultra slab systems are developed for highly flexible kiln furniture rack designs. This enables an optimal combination of product design, geometry and overall efficiency.

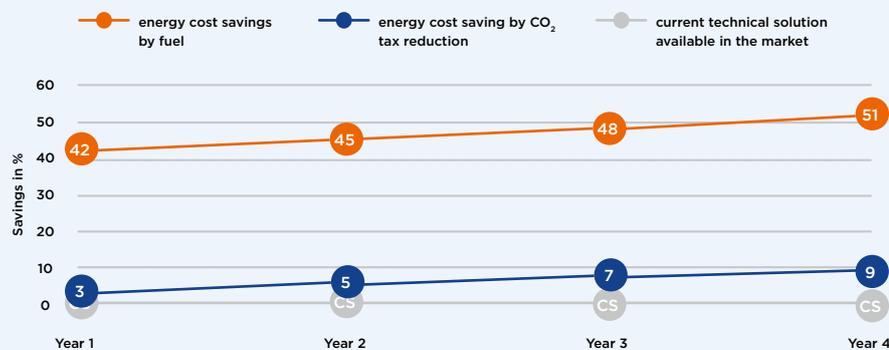
Our slabs are available in a variety of shapes with thicknesses down to 3 mm. They are manufactured with our industry-proven N-Durance® and Crystar® advanced silicon carbide materials. Both materials exhibit excellent strength, thermal conductivity, and thermal shock resistance that allow for fast firing cycles and uniform product temperatures throughout the kiln furniture assembly. Customized ceramic coatings are available for Lo-Mass® Ultra slabs to enhance product compatibility. Re-coating of Lo-Mass® Ultra slabs is also possible, extending service life.



## INCREASED ENERGY SAVINGS AND CO<sub>2</sub> EMISSION REDUCTION

With our Lo-Mass® Ultra kiln furniture systems, we provide our customers with tangible solutions to significantly save energy and reduce CO<sub>2</sub> 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 42% ENERGY SAVINGS\*

 **42%**  
TOTAL CO<sub>2</sub> REDUCTION

 **33%**  
TOTAL WEIGHT REDUCTION

\*by replacement of 6 mm slabs

## SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

For more information:  
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