



SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

LO-MASS[®]

SUSTAINABLE KILN FURNITURE SOLUTIONS

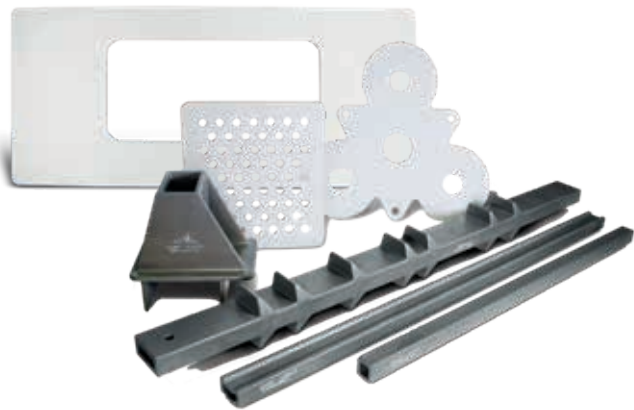


SCAN ME

TO DOWNLOAD



MATERIAL CHOICE



LO-MASS®

THINNER, LIGHTER, STRONGER & MORE THERMALLY CONDUCTIVE

LO-MASS® solutions adapt advanced silicon carbide ceramic materials that offer significantly enhanced material characteristics as compared to traditional heavy mass kiln furniture systems.

BENEFITS

Our customers have substantially improved operating efficiencies by replacing cordierite kiln furniture with LO-MASS® advanced silicon carbide kiln furniture systems (N-Durance® support posts and setter plates, Silit® SK support and stringer beams)



Sustainable - reduced refractory mass



Safety - structural stability



Lower energy consumption



Improved fired product quality



Higher productivity



Faster ROI

KEY MARKETS



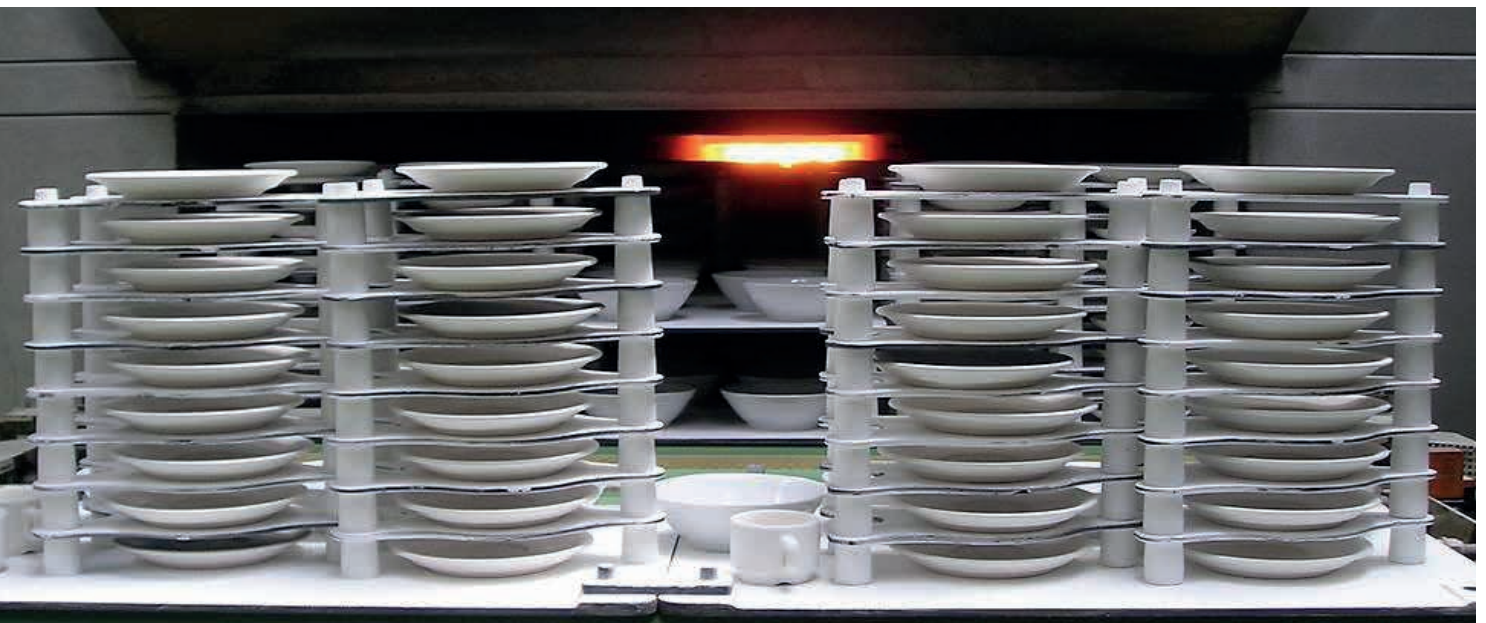
SANITARYWARE



DINNERWARE



POTTERY



ADVANCED SILICON CARBIDE MATERIALS DELIVER VALUE

Our engineered ceramic products are custom designed, co-developed and manufactured for industrial heating applications. They deliver value in your toughest challenges related to efficiency, throughput, emissions and maintenance.

HEAVY MASS CERAMIC (CORDIERITE)



57%

- Low productivity
- High energy consumption



FEWER PRODUCTS PROCESSED



LONGER FIRING CYCLES

- Non-uniform loading surfaces
- Warpage



LOWER SERVICE LIFE



FREQUENT REPLACEMENTS



HIGHER PRODUCT DEFECTS & REWORK

43%

■ Product mass

ADVANCED SILICON CARBIDE LO-MASS®



24%

- + High productivity
- + Lower energy consumption



MORE PRODUCTS PROCESSED



FASTER FIRING CYCLES

- + Uniform loading surface
- + Zero warpage



SIGNIFICANTLY ENHANCED SERVICE LIFE



LOWER PRODUCT DEFECTS & REWORK

76%

■ Furniture mass

33% more products processed

SAINT-GOBAIN'S LO-MASS® SOLUTIONS

Our engineers collaborate with you to design custom kiln furniture systems for specific applications and automation requirements. LO-MASS® engineered components include setter plates, support posts & stringer beams, post mounting shoes and structural tie systems. Numerous other custom shapes and engineered assemblies available to provide flexible setting configurations, decreased setup time and system safety & stability.

up to
2 tonnes
refractory mass reduction

up to
33%
energy savings

less than
12 months
ROI

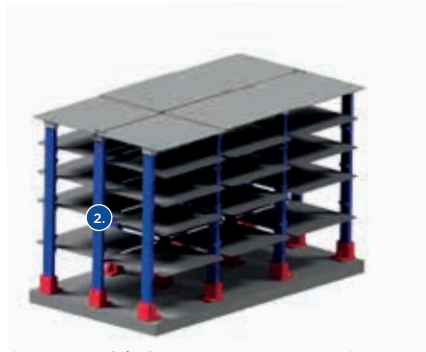
LO-MASS® - XXL PLATES

Our XXL plates are offered at a maximum size of 1250x900x10 mm.

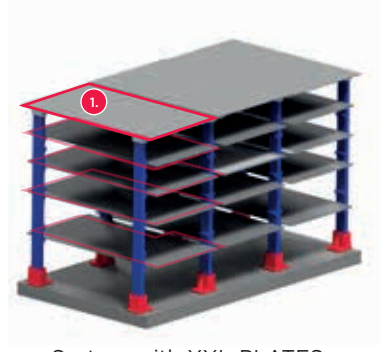


BENEFITS

1. Increased setting space
2. Further reduction of structural supports and kiln furniture
Eliminate joints/seams underneath product
Flatness retention over large setting area



System with STANDARD PLATES



System with XXL-PLATES

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