



SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

LO-MASS[®]

SUSTAINABLE KILN FURNITURE SOLUTIONS

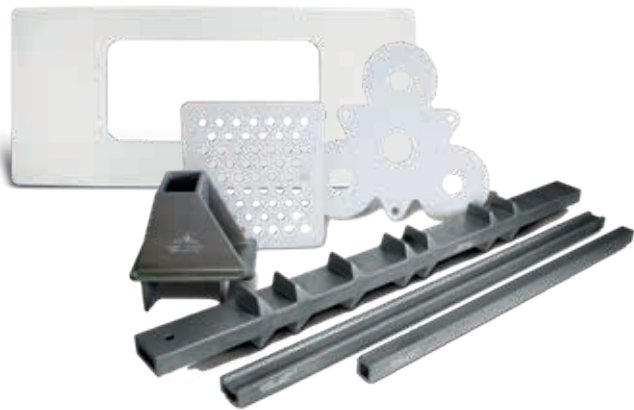


SCAN ME

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



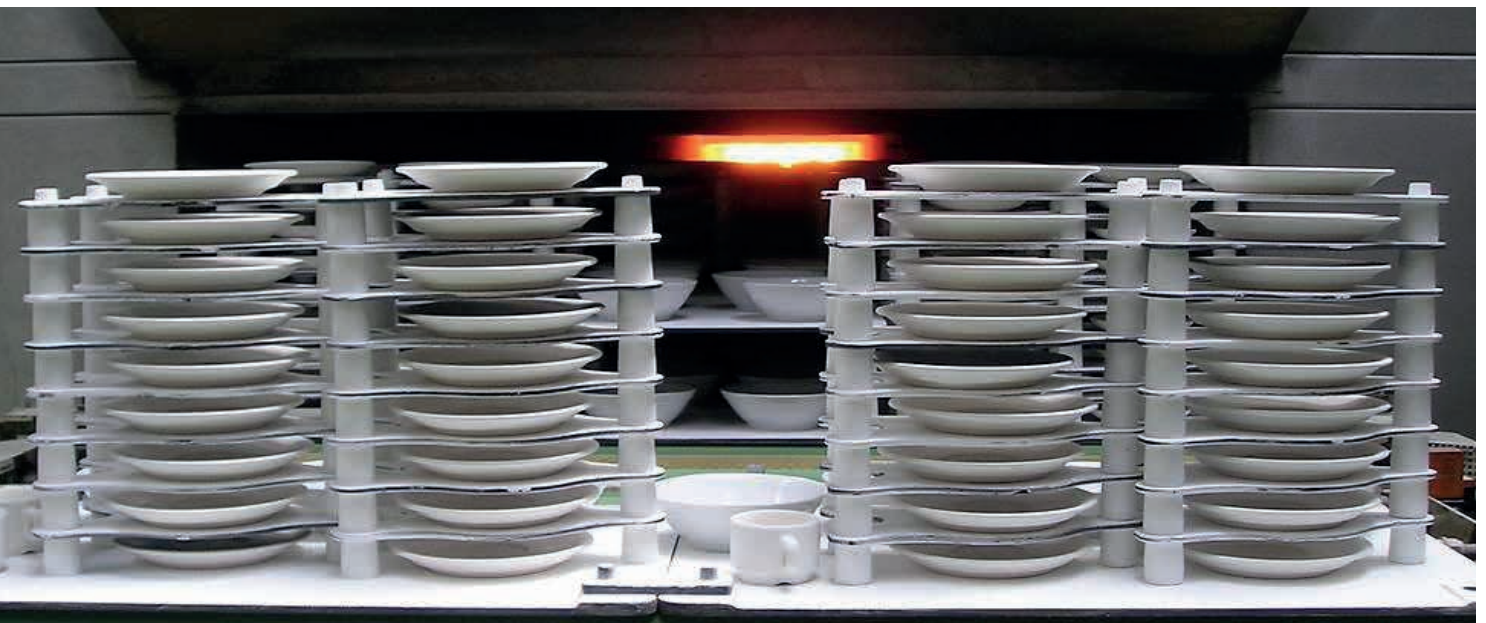
SANITARYWARE



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

■ Product mass

■ Furniture 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

33% more products processed

76%

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

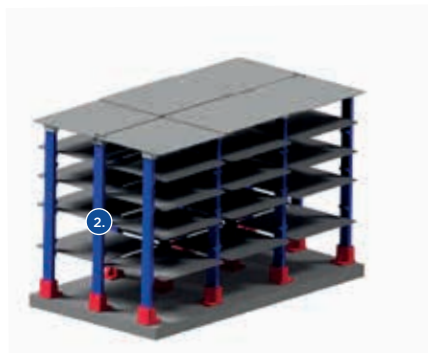
LO-MASS® - XXL PLATES

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

CONTACT US

USA

Niagara Falls

+1 716 278 6233

Worcester

+1 508 795 5264

MIDDLE EAST & AFRICA

Dubai (UAE)

+971 4 8011800

EUROPE

Castellón (Spain)

+34 9647 303 90

Corsico (Mi), (Italy)

+39 0244 851

Prague (Czech Republic)

+42 0725 174 478

Rainford (United Kindom)

+44 1744 882 941

Rödental (Germany)

+49 9563 724 307

INDIA

Bangalore

+ 91 2676 612 085

Halol

+ 91 2676 612 085

PACIFIC

Melbourne (Australia)

+61 394 745 940

JAPAN

Nagoya

+81 5619 708 08

CHINA

Dengfeng

+86 21 6489 999 3

Shanghai

+86 1811 633 835 7

ASIA

Seoul (Korea)

+82 2370 693 34

For more information

www.ceramicsrefractories.saint-gobain.com

ceramics.refractories@saint-gobain.com



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PERFORMANCE CERAMICS & REFRACTORIES


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