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)

- 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

ADVANCED SILICON CARBIDE LO-MASS®

- High productivity
- Lower energy consumption

- MORE PRODUCTS PROCESSED
- FASTER FIRING CYCLES

- Uniform loading surface
- Zero warpage

- SIGNIFICANTLY ENHANCED SERVICE LIFE
- LOWER PRODUCT DEFECTS & REWORK

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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