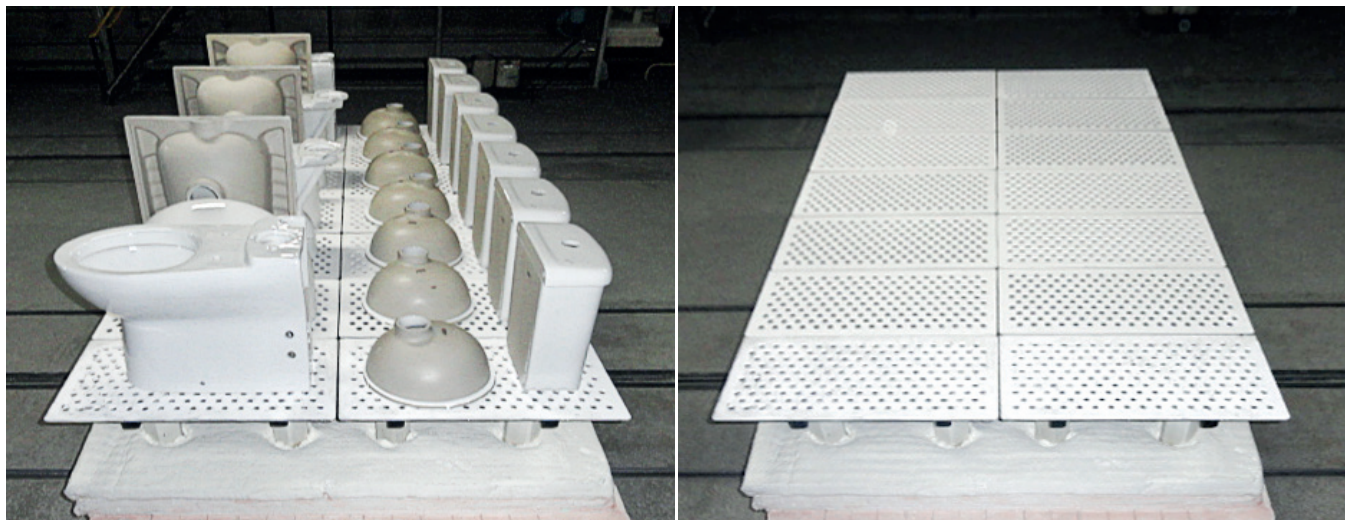


Bore Grids for Sanitary Industry

Eco-Light®-Advancing Efficiency

- **Reduced thermal mass and therefore less energy consumption**
- **Improved convective flow of heat and therefore proven positive impact on the ware being fired**
Less rejects of complex sanitary ware due to firing cracks
- **Excellent long term quality-performance and creep-resistance**



The most efficient result in terms of high degree of reliability and economy in service will be achieved in using Schunk's Bore Grids and Eco-Light®-Beams.

	Eco-Light®-Beams	CarSIK-NG Grids
Grade	SiSiC	NSiC
Bulk density (g/cm ³)	3,11	2,85
Apparent porosity (Vol.%)	0	<1
Modulus of rupture/4-point loading (MPa)	280	200
Modulus of elasticity (GPa)	360	220
Thermal expansion coefficient RT-1000°C (10 ⁻⁶ /K)	4,9	4,6
Thermal conductivity (W/mK) 1200°C	24	12
Specific heat (J/kgK)		
20°C	600	750
1300°C	1200	1100
Limit of application (°C)	1380	1450
Chemical composition (wt. %)		
SiC	90	65
Si (free)	9	-
Si ₃ N ₄ + Si ₂ ON ₂	-	27

The values quoted above were determined on test specimens and cannot generally be applied to all shapes.

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