

SIC-ALOXI©

New Quality!!!

SIC-ALOXI © is a new invention by Schwendler.

SIC-ALOXI © is a silicon carbide and alumina oxide based mixture material, particularly by a low thermal expansion and by a high thermal conduction.

In first line the use of this material is primarily as **ceramic roller**, for application into roller hearth kilns into **the rapid cooling zone**. The results are in reference to the thermal shock resistance very excellent!

These features give to the roller a very good resistant to thermal shock, and a considerable temperature uniformity inside the kiln, which allow the roller not to buckle in the rapid cooling zone.

Physical Properties

Bulk density: 2,18-2,28 Kg/dm³

Apparent porosity: 20 - 23 %

Water absorption: 8,5 - 10%

Modulus of rupture: >36 N/mm²

Thermal expansion 1000°C : 0,37-0,43%

Thermal shock resistance: Very good

The above mentioned results were from test specimens, therefore these values should considered as such.

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