

Moravské keramické závody akciová společnost Rájec-Jestřebí	R-SKA-DP STOVE FIRECLAY	Product sheet MKZ 29/Z 01/2007
---	--------------------------------	-----------------------------------

Description : R-SKA-DP grade, stove fireclay products are shaped refractory products with high resistance to thermal shock and mechanical damage. The shaped products are manufactured by pressing from a semi-dry mass and they feature improved dimension deviation, out-of-squareness and warpage characteristics.

Use : The shaped products are used as construction and non-construction material for construction of fireplaces, stoves, and similar heating bodies. The shaped products can be joined together using mortar (for example Regnalit) or they can be put together in dry way into metal fireplace inserts.

Properties :

<i>Property</i>	<i>Guaranteed value</i>	<i>Testing procedure</i>
Refractoriness	min. 1630°C	ČSN EN 993-12
Al ₂ O ₃ content	min. 30 %	ČSN EN 955-2
Cold crushing strength	min. 15 MPa	ČSN EN 993-5
Bulk density	min. 1900 kg/m ³	ČSN EN 993-1
Resistance to thermal shock	min. 25 cycles	ČSN P CEN/TS 993-11
<i>Property</i>	<i>Normal value</i>	<i>Testing procedure</i>
Apparent porosity	20 %	ČSN EN 993-1
Irreversible length changes in 1100 °C/5h	- 0,1 %	ČSN EN 993-10
Temperature	max. 1100 °C	-

Permitted quality variations : The variations mentioned below are valid if others conditions are not stated in a contract or drawing documentation.

Dimension tolerances	dimension ≤ 150 mm	± 1.5 mm
	dimension > 150 mm	± 1.0 %
Corner damage at face side *)	length	max. 5 mm
	width	max. 5 mm
Corner damage at non-face side	length	max. 10 mm
	width	max. 10 mm
Edge damage at face side *)	length	max. 2 mm
Edge damage at non-face side	length	max. 5 mm
Cracks	not permitted	
Out-of-squareness, warpage	dimension ≤ 200 mm	max. 1 mm of the length of the measured side
	dimension > 200 mm	max. 0.5 % of the length of the measured side

*) Face side is a visible side of inbuilt shaped product in hearth of heating device.

Quality variations are checked using a single acceptance sampling plan (AQL=6.5) in accordance with ČSN ISO 5022, the properties are checked using a single acceptance sampling plan with a guaranteed mean value and an unknown standard deviation.

Sizes and shapes : Slabs and plates, standard shapes and customized shapes in accordance with customer specifications are produced.

Packaging : The products are shipped on pallets, secured with straps and shrink-wrapped.

Skladování : The products should be stored in enclosed warehouses.

Ing. Milan Čvanda
Managing Director and Chairman of the Board