

Moravské keramické závody akciová společnost Rájec-Jestřebí	ALU - 1400 CALCIUM-SILICATE SHAPES	Product sheet MKZ 24/Z 02/2001
---	--	-----------------------------------

Description : Calcium-silicate shapes are refractory shaped products based on calcium-silicate opening materials and expander held together by a hydraulic bond.

Use : The shaped products are designed for the transport of molten aluminium and its alloys, being resistant to wetting by aluminium. They are generally treated with a protective coating. Calcium-silicate shapes are intended for service temperatures of up to 1000°C.

Specifications :

Property	Normal value	Testing procedure
Chemical composition (%)		ČSN EN 955-2
SiO ₂ content	22	
Al ₂ O ₃ Content	46	
CaO Content	28	
MgO Content	0.6	
Fe ₂ O ₃ content	0.4	
Bulk density (kg/m ³)	1400	ČSN EN 993-1
Crushing strength (MPa)		ČSN EN 993-5
after drying 105°C	10	
after firing 800°C	12	
Thermal conductivity coeff. (W/mK)		ISO 8894/2
200°C	0.42	
400°C	0.40	
600°C	0.39	
800°C	0.38	
1000°C	0.42	

Sizes and shapes : Launderers are produced in a range of five types or as agreed. Filter boxes and other shapes are manufactured in accordance with customer specifications.

Permitted quality tolerances : Tolerance of all dimensions ± 2 mm.

Packaging : The products are shipped on pallets, secured with straps and shrink-wrapped or as required by the customer.

Storing : The products should be stored in dry and enclosed warehouses. The storage period is max. 12 months from the date of production.

Ing. Milan Čvanda
Managing Director and Chairman of the Board

Supersedes: -	Page: 1/1	Effective from: 1. 7. 2001
---------------	-----------	----------------------------

Moravské keramické závody akciová společnost Rájec-Jestřebí	ALU - 1400 CALCIUM-SILICATE SHAPES	Product sheet MKZ 24/Z 02/2001
---	---	-----------------------------------

Ing. Milan Čvanda
Managing Director and Chairman of the Board

Supersedes: -	Page: 1/1	Effective from: 1. 7. 2001
---------------	-----------	----------------------------