

Moravské keramické závody akciová společnost Rájec-Jestřebí	SIKAR RAMMING MIXES FOR BLAST FURNACE RUNNERS	Product sheet MKZ 05/Z 02/2007
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Description : The SIKAR ramming mixes for blast furnace runners are refractory mixtures of grog, bond, and liquid, supplied in granular form for direct placing by mechanical or manual ramming.

Use : The SIKAR ramming mixes are used for the construction and repairs of monolithic lining, blast furnace runners and tapping spouts.

Grades : **Sikar HŽ** – bauxite ramming mix for main blast furnace runners and slag skimmers
Sikar SŽ – bauxite ramming mix for slag runners
Sikar KŽ – bauxite ramming mix for rocking runners
Sikar ŽŽ – zirconia ramming mix for auxiliary blast furnace runners

Specifications :

property	guaranteed value				testing procedure
	Sikar HŽ	Sikar SŽ 2	Sikar KŽ	Sikar ŽŽ	
Al ₂ O ₃ content	min. 50.0 %	50.0 %	50.0 %	26.0 %	ČSN EN 955-2
loss on ignition	min. 11.0 %	10.0 %	10.0 %	14.0 %	ČSN EN 955-2
grain size 0 – 6.3 mm	min. 80.0 %	80.0 %	80.0 %	80.0 %	ČSN EN 1402-3
grain size 6.3 – 8.0 mm	max. 20.0 %	20.0 %	20.0 %	20.0 %	ČSN EN 1402-3
moisture content	max. 8.5 %	8.5 %	8.5 %	8.5 %	ČSN EN 1402-3
property	normal value				testing procedure
SiO ₂ content	7.0 %	11.0 %	10.0 %	40.0 %	ČSN EN 955-2
Fe ₂ O ₃ content	2.0%	2.0%	2.0%	1.8%	ČSN EN 955-2
ZrO ₂ content	-	-	-	7.0 %	-
SiC content	20.0 %	-	12.0 %	-	ČSN 72 6025
specific consumption (approx.) in kg per 1 tone of pig iron	0.25-0.30	0.25-0.30	0.25-0.30	0.25-0.30	-
Service temperature	max. 1650°C				-

Particular chemical elements are stated for annealed quality.

The properties are checked using a single acceptance sampling plan with a guaranteed mean value and an unknown standard deviation in accordance with ČSN ISO 5022.

Packaging : The SIKAR ramming mix is packed in PE bags stored in returnable metal containers, or as agreed with the customer.

Storing : The ramming mix should be stored in warehouses at a moderate temperature (min. +5.0 °C). The storage period is max. 6 months from the date of delivery.

Ing. Milan Čvanda
Managing Director and Chairman of the Board

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