



**STEULER** Refractory | Linings

# REFRACTORY RAMMING MIXES

FOCUS ON PERFORMANCE

# INNOVATION AND PERFORMANCE

The material is a ready-to-use product that is mechanically processed by means of an air hammer (1,200 blows/min.). Because these products are cement-free, they only achieve optimum strength at approx. 1,000°C (ceramic bond).

The production of components such as burner bricks, burner lances and shaped bricks are frequent applications. Due to the ready-to-use delivery the good modelling of the product, it can also be used to form masonry or even small repairs such as the closing of openings.

		PREMIX M 50 K	PREMIX M 80 K	PREMIX M 90 K
<b>Chemical analysis</b>				
Raw material base		Fireclay	Bauxite	Corundum
Al <sub>2</sub> O <sub>3</sub>	[%]	49	74	90
SiO <sub>2</sub>	[%]	47	21	8
Fe <sub>2</sub> O <sub>3</sub>	[%]	1,3	1,2	0,3
<b>Physical properties</b>				
Bulk density	[g/cm <sup>3</sup> ]	2,25	2,52	2,80
Apparent porosity	[vol. %]	21	23	22
Cold crushing strength	[MPa]	22	33	50
Permanent Linear Change at 1.400°C	[%]	-0,75	0,5	0,75
Grain size	[mm]	0-6	0-6	0-6
Maximum service temperature	[°C]	1550	1650	1800

## STEULER-KCH GmbH

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56427 Siershahn | GERMANY

Phone: +49 2623 600-216

E-Mail: [refractories@steuler-kch.de](mailto:refractories@steuler-kch.de)

[www.steuler-linings.com](http://www.steuler-linings.com)