

Grade: **PCOCAST BM145R**
 Product group: MEDIUM CEMENT CASTABLES
 Application: Structural lining of heating units
 Remarks: Installation method: Rodding or vibration

Properties		Guaranteed	Typical	Unit	Standard
Chemical composition					PN EN ISO 1927-3
	Al ₂ O ₃	48,0	50,0	%	
	SiO ₂	-	42,0	%	
	Fe ₂ O ₃	-	0,8	%	
	TiO ₂	-	1,2	%	
	CaO	-	4,2	%	
Bulk density	110 °C	-	2,30	g/cm ³	PN EN 993-1
Cold crushing strength					PN EN ISO 1927-6
	110 °C	80	85	N/mm ²	
	800 °C	-	90	N/mm ²	
	1450 °C	-	100	N/mm ²	
Permanent linear change					PN EN ISO 1927-6
	800 °C	-	-0,2	%	
	1000 °C	-	-0,25	%	
	1450 °C	-	+0,25	%	
Temperature limit of application		-	1480	°C	
Grain size		-	0 - 5	mm	PN EN ISO 1927-3
Mixing water		-	7,5 - 10,0	l/100 kg	
Material demand		-	2,40	Mg/m ³	
Shelf life		-	6	month	

Typical values represent the average of results from the current production. Guaranteed values correspond to mean value due to p. 5.5 of ISO 5022 standard. All values are valid for samples prepared under controlled conditions due to EN ISO 1927-5. Due to p.3.2.2 of ISO 5022 standard the properties which are the criteria of compliance assessment are limited to chemical composition and guaranteed physical properties. Properties may be subjected to fluctuations typical of the manufacturing process. PCO reserves the right to modify technical data sheet at any time without prior notice.