

Grade: **ISOCAST BI-13/1,3**

Product group: INSULATING REFRACTORY CASTABLES

Application: Insulating lining of heating units

Remarks: -

Properties	Guaranteed	Typical	Unit	Standard
Chemical composition				PN EN ISO 1927-3
Al_2O_3	-	38,0	%	
Fe_2O_3	-	3,0	%	
Bulk Density				PN EN ISO 1927-6
110 °C	-	1450	kg/m ³	
1300 °C	1350	1340	kg/m ³	
Cold crushing strenght				PN EN ISO 1927-6
110 °C	8,0	9,0	N/mm ²	
1300 °C	-	5,5	N/mm ²	
Temperature limit of application (max.)	-	1300	°C	
Permanent linear change (1300 °C/12h)	-	-1,0	%	PN EN 1094-6
Thermal conductivity				PN EN 993-15
400 °C	-	0,40	W/mK	
600 °C	-	0,44	W/mK	
800 °C	-	0,48	W/mK	
1000 °C	-	0,53	W/mK	
Grain size	-	0 - 5	mm	PN ISO 2591-1
Mixing water	-	25 - 30	l/100 kg	
Required material	-	1350 - 1400	kg/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 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.