



BORGESTAD
FABRIKKER

BORGPAK 45

PRODUCT TYPE	:	Unburned plastic chamotte brick
Maximum recommended temperature	:	1400 °C
Main component	:	Chamotte
Refractoriness, Seger Cone	:	34 (ca. 1750 degrees Celsius)
Type of bond	:	Temporary chemical binder
Installation method	:	Look at the user instruction
Packing	:	25 kilos (12 litres)
Storage	:	Non-freezing, but cold conditions.
Maximum grain size	:	mm
Material required per m ³ , casting	:	Consumption per cubic meter: 2000 kg
Water required for mixing on site, casting	:	%

Chemical analysis

Calcined basis, unit%

Al ₂ O ₃	SiO ₂	SiC	MgO	ZrO ₂	Cr ₂ O ₃	CaO	TiO ₂	Fe ₂ O ₃	P ₂ O ₅	Alkalies
43	54							1,5		

Physical properties

				Average value cast	Units
Bulk density – after drying at 110 °C					Kg/dm ³
Open porosity	- after firing at		°C		%
	- after firing at				
Cold crushing strength	- after firing at	600	°C	14	MPa
	- after firing at	1000		25	
	- after firing at	1300		27	
	- after firing at				
Modulus of rupture	- after firing at		°C		MPa
	- after firing at				
	- after firing at				
E-modulus	- after firing at		°C		MPa
	- after firing at				
	- after firing at				
Permanent linear change	- after firing at	100	°C	2	%
	- after firing at				
	- after firing at				
	- after firing at				
Thermal conductivity	- at a mean temperature of	200	°C	0,41	W/m*K
	- at a mean temperature of	400		0,53	
	- at a mean temperature of	800		0,88	

The data are current production averages. They cannot be used as limits for a specification

0906