



Precast Hearth Blocks for Rolling Mills

DESCRIPTION	PAS PC 1
Base Component	Fused & Sintered Alumina Grains
Physical Properties	
Refractoriness °C	39
	1880
Maximum Service Temperature °C	1780
Dry Density (gm/cc) of the block	2.95
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	
at 800 °C/3 Hrs	
at 1100 °C/3 Hr	1200
P. L. C % (max) after heating at 1300 °C min	± 0.5
% Water Required for Casting	
Maximum Grain Size (mm)	
Chemical Analysis	
Al ₂ O ₃ (%) Min	92 – 93
Fe ₂ O ₃ (%) Max	0.5



Ultra Low Cement Castable

DESCRIPTION	PAS ULC 95T
Base Component	Fused & Sintered Alumina Grains
Physical Properties	
Refractoriness °C	40
	1885
Maximum Service Temperature °C	1825
Dry Density (gm/cc) of the block	2.90
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	900
at 800 °C/3 Hrs	1000
at 1100 °C/3 Hr	1150
P. L. C % (max) after heating at 1300 °C min	± 0.2
% Water Required for Casting	4.5 – 5.0
Maximum Grain Size (mm)	0 – 5 & 0 – 10
Chemical Analysis	
Al ₂ O ₃ (%) Min	95.00
Fe ₂ O ₃ (%) Max	0.5



Ultra Low Cement Castable

DESCRIPTION	PAS ULC 90
Base Component	Fused & Sintered Alumina Grains
Physical Properties	
Refractoriness °C	38
	1835
Maximum Service Temperature °C	1800
Dry Density (gm/cc) of the block	2.85
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	900
at 800 °C/3 Hrs	1000
at 1100 °C/3 Hr	1150
P. L. C % (max) after heating at 1300 °C min	± 0.2
% Water Required for Casting	4.5 – 5.0
Maximum Grain Size (mm)	0 – 5 & 0 – 10
Chemical Analysis	
Al ₂ O ₃ (%) Min	90.00
Fe ₂ O ₃ (%) Max	0.6