



CLAYRAC™ BS

DRIED AND MILLED CLAYS

	CLAYRAC BS1	CLAYRAC BS2	CLAYRAC BS3-ALSI H	CLAYRAC BS6	CLAYRAC BS5
SIZE / PRESENTATION	Dry powder				
MOISTURE					
(%)	1,0				
LOSS OF IGNITION					
(%)	12,0	13,0	14,0	15,0	12,0
CHEMICAL ANALYSIS (% On fired)					
Al ₂ O ₃	38,0	40,5	43,0	45,0	37,4
SiO ₂	56,2	54,3	52,7	50,9	57,4
Fe ₂ O ₃	1,8	1,7	1,5	1,4	1,8
TiO ₂	2,0	1,9	1,6	1,6	1,7
K ₂ O	1,1	0,8	0,6	0,4	0,8
Na ₂ O	0,2	0,2	0,1	0,1	0,2
CaO	0,3	0,3	0,2	0,3	0,3
MgO	0,3	0,3	0,2	0,3	0,3
RESIDUE BY WET SIEVING (%)					
100 µm	0,3	3,0	3,0	3,0	1,0
DEFLOCCULATION					
Density (g/l)	1730				
Sodium silicate (‰)	5				
Gallenkamp viscosity (°)	310				
MODULUS OF RUPTURE					
110°C	2,1 MPa	2,0 MPa	2,0 MPa	2,0 MPa	2,5 MPa
FIRING 1300°C					
Shrinkage (%)	13,0	14,5	16,0	16,0	12,0
water absorption (%)	4,5	3,5	3,0	3,0	4,0
REFRACTORINESS					
°C	1730	1750	1770	1790	1730

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