

Ball Clays for porcelain / floor tiles:

Chemical characteristics for dry product	BW-Granitic	BW-Ceramic	BW-Technic-1	BW-Technic-2	BW-0	BW-1
Al ₂ O ₃ , %	26,50+/-0,5	22,00+/-0,5	26,00+/-0,5	22,00+/-0,5	31,50+/-0,5	30,00+/-1
Fe ₂ O ₃ , %	0,90+/-0,15	1,10+/-0,15	1,80+/-0,2	1,80+/-0,2	1,00+/-0,1	1,30+/-0,1
TiO ₂ , %	1,40+/-0,2	1,50+/-0,2	1,50+/-0,1	1,50+/-0,2	1,50+/-0,1	1,50+/-0,1
SiO ₂ , %	60,00+/-2,0	68,00+/-2,0	63,00+/-2,0	68,00+/-2,0	58,00+/-2,0	59,00+/-2,0
CaO, % average	0,30	0,30	0,30	0,30	0,50	0,50
MgO, % average	0,50	0,35	0,50	0,35	0,50	0,50
Na ₂ O, % average	0,15	0,15	0,15	0,15	0,45	0,45
K ₂ O, % average	1,90	1,90	1,90	1,90	2,10	2,10
LOI, % average	7,60	6,30	8,00	6,50	9,80	9,60
Shrinkage, % max	12,50	11,11	13,80	12,40	15,50	14,80
Dry Resistance, (kg/cm ²)	45,00	38,00	45,00	38,00	55,00	50,00
Water Absorbtion, %	0,50+/-0,2	1,25+/-0,25	0,75+/-0,25	1,50+/-0,3	0,20+/-0,2	0,30+/-0,2

Color after firing at 1200°(average results)

L	80,75	78,38	69,30	62,17	84,17	82,05
A	3,05	4,11	6,40	11,28	3,00	3,07
B	16,18	17,90	21,17	31,28	12,40	14,56
Residue on sieve 0.063, average	1,00	2,50	4,00	5,00	0,30	0,40
General application	All types of tiles	All types of tiles	Glazed porcelain tiles, Floor Tiles, Wall Tiles	Glazed porcelain tiles, Floor Tiles, Wall Tiles	Insulators, All types of tiles	Insulators, All types of tiles