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Tile Range

Helping you improve yields and increase productivity

Tile Range

Whatever type of tile you produce – monoporosa, monocottura, gres porcellanato or porcelain – it's essential to have raw materials with the right properties for each stage of manufacture, whether grinding, pressing or firing.

Working closely with you, we will provide the optimum combination of body raw materials to perfectly meet your needs.

Feldspar materials & Nepheline		Chemical Analysis %								Recommended Applications			
Product	Country of origin	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	Na_2O	K_2O	CaO	LOI	**Wall Tiles**	**Glazed Gres Porcelain Tiles**	**Unglazed Gres Porcelain Tiles**	**Super-White Gres Porcelain Tiles**
1005	TR	68.6	0.03	19.5	0.02	10.4	0.2	-	0.1				X
980	TR	71.0	0.28	17.0	0.25	9.4	0.4	-	0.4	X	X		
980M	TR	69.0	0.33	18.0	0.3	9.5	-	1.1	0.7	X	X		
1040	TR	70.2	0.25	18.0	0.11	10.2	0.23	-	0.3		X	X	
1210	TR	67.1	0.02	19.2	0.04	8.40	4.70	-	0.1		X	X	X
Nepheline N-500	NO	53.2	0.1	24.4	0.1	8.2	8.8	-	1.0		X	X	X
Nepheline A-30 N	IT ES	57.6	0.08	23.5	0.08	8.9	7.5	-	0.8		X	X	X
Lysite	NO DE	56.4	0.1	26.5	0.5	6.6	-	7.5	1.2	X	X	X	
Forshammar	SE	75.6	0.002	14.5	0.14	4.8	4.2	-	0.6	X	X	X	X
FFF K6	FI	68.3	0.005	18.6	0.10	5.5	6.2	-	0.3	X	X	X	X

Clays		Chemical Analysis %							Carbon	M.O.R (dried @ 110°C)	Residue %>		Particle Size %<		Water absorption		Recommended Applications			
Product	Country of origin	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	Na_2O	K_2O	LOI			125µm	63µm	10µm	2µm	1100°C	1200°C	Wall Tiles	Glazed Gres Porcel	Unglazed Gres Porcel	Super-White Gres Porcel
DBY3	UA	58.0	1.4	27.0	0.95	0.5	2.1	7.8	<0.1	11.5	4.0	-	96	82	-	<0.2			X	X
DBY4	UA	60.0	1.3	26.0	1.0	0.5	2.2	7.5	<0.1	11.0	4.5	-	96	75	-	<0.2			X	X
DBK1	UA	62.0	1.4	24.0	1.2	0.5	2.3	7.0	<0.1	10.5	4.8	-	95	75	-	<0.4	X	X	X	
HV2	UK	64.0	1.5	23.8	0.9	0.3	2.1	6.6	0.2	-	0.50	-	90	66	0.80	-	X	X		
HRB8	UK	65.7	1.4	22.3	0.9	0.2	-	6.7	0.1	-	0.95	-	83	59	-	-	X	X		
Blend E	UK	66.0	1.5	22.0	0.9	0.3	2.1	6.8	0.5	-	-	-	88	67	-	-	X	X		
BK	UK	70.9	1.6	18.9	0.8	0.3	1.7	5.5	0.2	-	-	-	82	59	-	-	X	X		
W104	DE	72.2	1.3	16.3	0.7	0.2	2.1	4.7	<0.1	3	-	6	-	50	9.2	2.1	X		X	X
M4rot	DE	69.5	1.3	19.8	1.1	0.2	2.0	5.7	<0.2	4.1	-	5	-	57	-	1.8	X	X	X	
P	DE	66.5	1.4	22.0	1.0	0.1	2.2	6.5	<0.5	4.9	-	3	-	65	-	1.4	X	X	X	X
PMP	DE	66.8	1.5	21.3	1.3	0.3	2.4	5.9	<0.5	5.4	-	3	-	60	-	1.3	X	X	X	
HKK	DE	63.2	1.3	23.4	1.7	0.2	2.7	6.8	<0.2	6	-	2	-	70	-	0.8		X		
201/2 ITE	IT	66.5	1.3	20.4	2.9	0.15	-	5.8	0.1	-	-	-	-	-	-	-	X	X		
202/3	DE	60.9	1.2	24.9	2.4	0.1	2.6	7.2	<0.1	5.6	-	1	-	71	1.5	0.2	X	X		
STA	DE	66.1	1.7	19.5	2.9	0.2	1.3	7.0	<0.5	10	-	5	-	64	5.7	0.5	X	X		
WFM	DE	70.8	1.5	18.5	0.9	0.2	1.9	5.3	<0.1	-	-	35	-	-	-	-	X		X	X

Sand, glass & others

Product	Country of origin	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	Na_2O	K_2O	MgO	Cr_2O_3	LOI	Residue %> 38µm	Residue %> 25µm	Recommended Applications: Glazed Gres Porcelain Tiles	Unglazed Gres Porcelain Tiles	Super-White Gres Porcelain Tiles	General Purpose
		Chemical Analysis %														
5/RD	IT	92.0	0.08	4.0	0.2	-	2.1	-	-	-	-	-		X	X	
6/RD	IT	94.0	0.08	5.0	0.4	-	2.2	-	-	-	-	-	X	X		
8/RD	IT	82.0	0.13	7.9	0.73	1.5	3.25	0.3	-	2.1	-	-		X		
VVR	IT	84.0	0.15	12.0	1.2	-	4.3	-	-	-	-	-	X			
Ultrafine Glass	IT	71.0	0.05	1.9	0.3	12.9	0.8	2.15	-	2.0	-	-		X		
Portachrom A38 chromite	NE	4.5	0.6	14	24	0.1	-	12	44	-	3.5	-		X		
Portachrom A25 chromite	FR	4.5	0.6	14	24	0.1	-	12	44	-	-	3.5		X		

Kaolins & Prepared Bodies

Product	Country of origin	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	Na_2O	K_2O	LOI	Residue %> 63µm	Particle Size%< 10µm	Particle Size%< 2µm	Recommended Applications: Wall Tiles	Glazed Gres Porcelain Tiles	Unglazed Gres Porcelain Tiles	Super-White Gres Porcelain Tiles
		Chemical Analysis %													
RK H	DE	70.7	0.3	19.6	0.8	0.1	1.0	6.8	13		40	X	X	X	X
RK L	DE	69.0	0.8	20.8	0.7	0.1	0.5	8.1	58		6		X		
K	DE	60.6	0.2	28.2	0.4	0.1	0.3	10.1	<0.5		48	X	X	X	X
RK 3/4	CZ	84.7	0.3	9.0	0.5	0.2	2.4	2.7	75		11	X		X	X
KDG	CZ	51.3	0.5	33.5	0.7	0.3	0.9	12.4	<0.1		60				
CC31	UK	48.7	0.09	35.5	0.8	0.1	2.9	11.6	-	96	53			X	X

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