



**SIBELCO**

## **SANITARYWARE RANGE**

Helping you improve yields and  
increase productivity



# Sanitaryware Range

Mineral quality and consistency are critical in the production of sanitaryware. Our products play a major role in both the casting and firing stages of the manufacturing process.

- **For casting, the choice of minerals determines cast thickness, workability and shrinkage.**
- **In the firing process, minerals influence vitrification, strength, shrinkage, thermal expansion and colour.**

Our product portfolio meets the demands of the three main types of sanitaryware - porcelain (vitreous china), fine fire clay and fire clay.

Clays		Chemical Analysis					Carbon	Modulus of Rupture (Dried @110°C) MPa	Residue %>		Particle size %<		% Water absorption		Recommended Applications			
Product	Country of origin	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	Alkalis	LOI			125µm	63µm	10µm	2µm	1100°C	1200°C	General Purpose	Fast Casting	Pressure Casting	Fine Fire-clay
SANBLEND 90	UK	57.0	27.4	1.0	3.0	10.3	1.8	7.8	0.05	-	93	74	8.0	0.5				
SANBLEND 75	UK	54.0	29.0	1.1	3.0	11.9	2.4	7.5	0.05	-	96	78	9.0	0.2				
SANBLEND GC	UK	64.1	23.6	1.0	2.4	7.4	0.4	5.9	0.05	-	88	62	10.0	0.5				
SANBLEND VR	UK	64.0	23.3	1.3	2.4	7.1	0.3	5.4	0.08	-	85	56	-	-				
SANBLEND 2020	UK	56.5	28.5	1.0	2.7	9.8	1.0	7.6	0.01	-	95	73	-	-				
SANBLEND V7	UK	53.8	29.5	1.1	2.9	11.5	1.9	6.3	0.3	-	95	80	-	0.1				
SANBLEND V8	UK	56.9	27.4	1.0	2.9	10.4	1.9	7.4	0.4	-	93	74	-	0.1				
SANBLEND V10	UK	57.6	27.2	1.1	2.4	10.0	1.2	4.3	0.5	-	91	66	-	6.5				
SANMIX 55	UK	53.2	30.2	1.0	2.7	11.3	1.5	6.5	0.3	-	96	81	8.5	0.7				
SANMIX FC	UK	54.5	29.8	1.0	2.8	10.3	1.0	6.2	0.3	-	96	78	10.0	0.2				
SANMIX PC	UK	55.6	29.6	1.3	2.1	10.3	0.7	3.1	0.6	2.0	92	67	11.0	0.1				
SANTON IV	DE	61.0	25.2	1.3	2.5	8.1		5.9	-	5	-	68	-	-				
SANTON STANDARD	DE	54.3	30.4	1.2	2.2	10.1	1.1	6.0	1.3	4	89	68	-	0.4				
SANTON 172	DE	61.4	25.2	1.0	2.6	7.6	0.3	5.4	0.4	2	86	64	-	1.0				

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Kaolins & Prepared Bodies		Chemical Analysis					Carbon	Modulus of Rupture (Dried @110°C) MPa	Residue %>		Particle Size%<		% Water absorption		Recommended Applications			
Product	Country of origin	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	Alkalis	LOI			53µm	63µm	10µm	2µm	1100°C	1200°C	General Purpose	Fast Casting	Pressure Casting	Fine Fireclay
HPC100	UK	48.8	35.0	1.00	3.5	11.5	-	0.9	0.02	-	94	51	-	-				
Kaolin CC31	UK	48.1	35.7	0.95	3.1	11.6	-	1.1	0.02	-	94	53	-	-				
SANKA L	DE	47.7	36.1	1.40	1.5	12.1	0.1	1	-	<0.1	81	35	-	8				
SANKA AH/H	DE	55.4	32.1	0.50	0.8	10.5	0.1	2.9	-	<0.2	78	38	-	11				
SANKA 50	DE	59.5	28.5	0.50	0.8	9.9	0.1	0.5	-	<0.3	66	21	-	-				
GWFFC 4502	DE	64.9	24.7	1.00	2.1	6.1	-	-	-	+20	-	-	-	6.9				

Feldspar Materials		Chemical Analysis								Residue %>		Particle Size %<		Recommended Applications			
Product	Country of origin	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	K <sub>2</sub> O	CaO	MgO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	125µm	63µm	10 µm	2 µm	General Purpose	Fast Casting	Pressure Casting	Fine Fireclay
FFF K6-60 feldspar	FI	68.3	18.6	5.5	6.2	0.9	<0.020	<0.005	0.10	0.0	2.8	42.9	11.3				
FFF K7-60 feldspar	FI	67.3	19.1	4.9	7.2	1.0	<0.020	<0.008	0.10	0.0	2.8	42.9	11.3				
FFF K8-60 feldspar	FI	67.5	18.7	4.6	8.3	0.6	<0.020	<0.005	0.09	0.0	-	42.9	11.3				
FFP 45 pegmatite	FI	78.0	13.0	4.1	4.0	0.5	<0.020	<0.005	0.07	0.0	2.2	39.2	8.7				
Nepheline N-45	NO	55.4	24.6	8.1	8.8	1.1	<0.1	0.07	0.1	-	-	38.0	-				
Nepheline N-75	NO	55.4	24.6	8.1	8.8	1.1	<0.1	0.07	0.1	-	-	28.2	-				
Nepheline N-500	NO	53.2	24.4	8.2	8.8	1.4	<0.1	0.1	0.1	-	-	-	-				
1005 soda feldspar	TR	68.62	19.53	10.29	0.21	0.99	0.10	0.04	0.02	58.85	30.50	-	-				
1010 soda feldspar	TR	69.15	19.13	10.24	0.22	0.87	0.10	0.06	0.02	58.85	30.50	-	-				
1040 soda feldspar	TR	69.55	18.33	10.29	0.28	0.58	0.09	0.28	0.11	78.53	18.40	-	-				



Sibelco  
worldwide

**120**  
production sites

**4,600**  
people

**31**  
countries

**6**  
technical centres



## About Us

Sibelco is one of the world's leading industrial mineral companies with 120 production sites in 31 countries worldwide.

Our experience in ceramic raw materials is unparalleled. As far back as 1860 we were supplying ball clays from our famous reserves in South-West England to a growing local pottery industry. Today our products feed a fast-moving global marketplace, from sanitaryware to tiles and from tableware to construction.

All of our products are backed by the highest standards of technical support. Our network of technical and application specialists work with our customers to deliver a range of benefits including:

- **complete raw material evaluation**
- **ceramic formulation assessment and development**
- **improved manufacturing yields through process and formulation optimisation**
- **manufacturing fault diagnosis support**



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Products included in our portfolio might be (temporarily) out of stock or otherwise not available due to external circumstances. Sibelco does not assume any liability as a consequence of its promoted products not being available.

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