

## Engobeclay Super White - T100

<b>Chemical analysis</b>	SiO <sub>2</sub>	72,0 %
	Al <sub>2</sub> O <sub>3</sub>	24,0 %
	TiO <sub>2</sub>	1,0 %
	Fe <sub>2</sub> O <sub>3</sub>	1,0 %
	CaO	0,3 %
	MgO	0,2 %
	K <sub>2</sub> O	1,2 %
	Na <sub>2</sub> O	0,3 %
	Loss on ignition	7 %

<b>Mineral analysis</b>	Kaolinite	%
	Mica	%
	Quartz	%
	Feldspar	%
	Fe-Ti	%

<b>Firing behaviour</b>	°C	°C	°C	°C
Firing temperature	1050	1100	1150	1200
Dry shrinkage	5,0	5,0	5,0	5,0
Firing shrinkage	1,1	2,9	3,6	4,9
Total shrinkage	6,0	7,8	8,4	9,2
Water absorption	22,0	18,6	16,6	12,0
Firing color	white	white	white	white
L*		87	84	81
a*		2,4	3,4	3,9
b*		10,9	13,7	13,6

<b>Sedimentation analysis</b>	< 63 µm	98,0 %
	< 20 µm	88,0 %
	< 6,3 µm	70,0 %
	< 2 µm	55,0 %
	< 0,63 µm	29,0 %

<b>Modulus of rupture</b>			N/mm <sup>2</sup>
<b>Thermal expansion coefficient</b>	(prefired 1000°C)	20-400°C	*10 <sup>-7</sup> /K
		20-500°C	*10 <sup>-7</sup> /K
		20-600°C	*10 <sup>-7</sup> /K