

## Engobeclay Super Red - T750

<b>Chemical analysis</b>	SiO <sub>2</sub>	62,6 %			
	Al <sub>2</sub> O <sub>3</sub>	20,5 %			
	TiO <sub>2</sub>	1,1 %			
	Fe <sub>2</sub> O <sub>3</sub>	11,9 %			
	CaO	0,3 %			
	MgO	0,8 %			
	K <sub>2</sub> O	2,3 %			
	Na <sub>2</sub> O	0,1 %			
	Loss on ignition	6,7 %			
<b>Mineral analysis</b>	Kaolinite, Mica	59 %			
	Quartz	19 %			
	Feldspar	10 %			
	Fe-Ti	12 %			
<b>Firing behaviour</b>		°C	°C	°C	°C
	Firing temperature	1000	1050	1100	1200
	Dry shrinkage	5,8	5,8	5,8	5,8
	Firing shrinkage	3,2	5,0	7,1	8,6
	Water absorption	12,4	8,0	5,4	1,0
	Firing color	brick red	brick red	brick red	dark red
	L*		46		36
	a*		23,7		13,6
	b*		24,0		10,7
<b>Sedimentation analysis</b>	< 63 µm	98,0 %			
	< 20 µm	97,0 %			
	< 6,3 µm	93,0 %			
	< 2 µm	78,0 %			
<b>Modulus of rupture</b>	3,4 N/mm <sup>2</sup>				
<b>Thermal expansion coefficient</b>	(pre-fired 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		