

## TECHNICAL DATA SHEET

### Cryoperl EL

<b>shape</b>		granulometric solid
<b>colour</b>		white/grey-white
<b>density</b>		2,0 - 2,2 g/cm <sup>3</sup>
<b>bulk density</b>		50kg/m <sup>3</sup> ± 20%
<b>chemical composition</b>	SiO <sub>2</sub>	60 - 80%
	Al <sub>2</sub> O <sub>3</sub>	12 - 16%
	Na <sub>2</sub> O	5 - 10%
	K <sub>2</sub> O	2 - 5%
	CaO	0 - 2%
	MgO	0 - 1%
	Fe <sub>2</sub> O <sub>3</sub>	0,5 - 2%
<b>grain size distribution</b>	>1,0 mm	15 - 25 weight%
	0,5 - 1,0 mm	30 - 40 weight%
	0,25 - 0,5 mm	20 - 30 weight%
	0,125 - 0,25 mm	5 - 15 weight%
	<0,125 mm	5 - 15 weight%
<b>loss of ignition</b>		<1 weight%
<b>pH-value</b>		~ 7
<b>flammability</b>		not inflammable, A1 according DIN 4102
<b>hygroscopic equilibrium</b>		<1,5 weight%
<b>advices for proper handling of perlite</b>	Pneumatic transport	max 0,6 bar
	Min Ø of tubes	100 mm
	Min radius of tubes	500 mm
	Filling level of silos	max 75%