



# Technical Data Sheet

## Cryogenic Expanded Perlite

Updated April 2024

CHEMICAL ANALYSIS		PHYSICAL PROPERTIES	
Silica	74.0%	Specific Gravity	2.2-2.4
Aluminium Oxide	14.0%	Colour	White
Ferric Oxide	1.0%	Fusion Point (Deg.C)	1260-1340 C
Calcium Oxide	1.3%	Softening Point (Deg.C)	871-1093 C
Magnesium Oxide	0.3%	<p><i>The figures quoted in this data sheet are, to the best of our knowledge, representative of the product. Natural products do vary, so these figures are approximations for guidance only. As conditions of use are beyond our control, no liability is accepted for any loss or damage sustained arising from the use of this information or any products. Because of ongoing developments, the product parameters may be changed without notice.</i></p>	
Sodium Oxide	3.0%		
Potassium Oxide	4.0%		
Titanium Oxide	0.1%		
Heavy Metals	Trace		
Sulphate	Trace		
Moisture	0.5%		
Loss in Ignition	2.5-3.2%		
pH (water extract)	6.5-8.0		

MICRON	BRITISH MESH	US MESH	P200
1.180mm		16	0-10%
0.850mm		20	0-25%
0.600mm		30	5-35%
0.300mm	52	50	15-50%
0.150mm	100	100	10-40%
0.075mm	200	200	0-30%

TEST METHODS
Chemicals by XRF
Moisture by drying 110 Deg.c for 1.5hrs
LOI - Muffle furnace at 1100 C/1.5 hrs
Specific Gravity by water immersion
PSD in accordance with P1-115-77, P1, 200-77 and P1 201-77
Loose Bulk Density 42-65

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