Technical Data Sheet
Expanded Perlite

Updated July 2023

CHEMICAL ANALYSIS	
Silica	74%
Aluminium Oxide	14%
Ferric Oxide	1%
Calcium Oxide	1.3%
Magnesium Oxide	0.3%
Sodium Oxide	3%
Potassium Oxide	4%
Titanium Oxide	0.1%
Heavy Metals	Trace
Sulphate	Trace
Moisture Content	0.3%
Organic Content	< 0.1%
Thermal Conductivity	0.0361 % @ 0 ºC

PHYSICAL PROPERTIES	
Specific Gravity (g/ml)	0.055-0.30
Colour	Off White
Fusion Point (Deg.C)	1260-1340
Softening Point (Deg.C)	871-1093

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.

GRADE	P100	PLASTERFINE	P200	P300	P400	P500
Product	Superfine	Fine	Fine	Medium	Medium	Coarse
Loose Bulk Density (kg/m3)	65-95	150-200	45-75	80-120	80-120	80-120
% Retained						
4.75mm				0-15%	5-15%	1-15%
3.35mm						25-75%
2.80mm				10-25%		
2.36mm					25-75%	
2.00mm				20-40%		10-20%
1.18mm	0-2%		0-40%		5-40%	0-10%
0.60mm	15-25%	0-5%	30-60%	40-60%	0-10%	0-3%
0.30mm	40-50%	20-40%	10-40%		0-3%	
0.15mm	60-75%	70-90%	5-30%	80-100%		
PRIMARY APPLICATIONS	**P100**	**PLASTERFINE**	**P200**	**P300**	**P400**	**P500**
Horticulture				X	X	X
Construction	X	X	X	X	X	X
Cryogenic Insulation			X			
Absorbant			X		X	
Refractory	X	X	X	X	X	
Plaster	X	X				
Pizza Ovens				X		

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