

# SILVAPERL PERLITE P3HD

EXTRA FINE

NON-COMBUSTIBLE ULTRA-LIGHTWEIGHT MINERAL AGGREGATE  
WITH EXCELLENT INSULATION & ADSORPTION PROPERTIES

## CHEMICAL PROPERTIES

Perlite is an aluminosilicate glass.

### TYPICAL CHEMICAL COMPOSITION:

Silicon as SiO <sub>2</sub>	73%
Aluminium as Al <sub>2</sub> O <sub>3</sub>	15%
Iron as Fe <sub>2</sub> O <sub>3</sub>	2%
Sodium as Na <sub>2</sub> O	3%
Potassium as K <sub>2</sub> O	5%
Calcium as CaO + Magnesium as MgO	1%
Others	1%
Organic Matter	nil
Moisture Content (when packed)	less than 0.8%

### PHYSICAL PROPERTIES:

Refractive Index	1.5
Free Moisture (max)	< 0.50%
pH of Water Slurry	6.5 - 7.5
Softening Point	890 – 1100 °C
Fusion Point	1280 – 1350 °C
Specific Heat	837 J kg <sup>-1</sup> K <sup>-1</sup>
Thermal Conductivity (loose poured)	0.05 W m <sup>-1</sup> K <sup>-1</sup>
Bulk Density (loose poured)	55 - 85 kg m <sup>-3</sup>

## TYPICAL GRADING

SIEVE SIZE (MM)	WEIGHT PASSING (%)
1.180	90 - 100
0.600	70 - 90
0.300	35 - 55
0.150	10 - 30
0.075	0 - 10

## APPLICATIONS

- Low temperature cryogenic applications
- Paint, grout and general fillers
- Textured coatings
- Lightweight plasters and renders
- Animal and poultry feeds
- Anti-caking additive
- Drying agent
- Refractory applications
- Fireproofing compounds
- Artificial stone



[www.SILVAPERL.COM](http://www.SILVAPERL.COM)

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