



Investments Pvt (Ltd)

30 Glenara Avenue South, Eastlea, Harare, Zimbabwe

TEL: +263 772 423 988

E-mail: wickbury@gmail.com

VERMICULITE TECHNICAL DATA SHEET

Typical Chemical Analysis

Parameter	Percent by weight
SiO ₂	33.44
Al ₂ O ₃	13.53
MgO	18.75
CaO	0.98
K ₂ O	5.80
Fe ₃ O ₄	6.00
TiO ₂	6.88
P ₂ O ₅	0.16
H ₂ O	0.46
MnO	0.02
Na ₂ O	0.05
Cr ₂ O ₃	0.02
pH	8-9
LOI @ 850°C	13.88

NB: Vermiculite is a natural occurrence and variation, <5%, of mineral composition can be expected.

Composition : Hydrated laminar magnesium-aluminium-iron silicate, (Mg,Ca,K,Fe¹¹¹)₃(Si,Al,Fe¹¹¹)₄O₁₀(OH)₂O4H₂O, which resembles mica in appearance.

Density: 2.66g/cm³

Colour: Light to Dark Brown



30 Glenara Avenue South, Eastlea, Harare, Zimbabwe

TEL: +263 772 423 988

E-mail: wickbury@gmail.com

Grade	Size (mm)	Bulk density Kg/m³	Spec	Moisture %	Impurities %	Expansion Coeff (l/kg)
Large	8.00-4.00	860	>80%	<5.5	<5	10 min
Medium	4.00-2.00	900	>80%	<5.5	<5	10 min
Fine	2.00-0.715	850	>80%	<5.5	<5	8 min
Superfine	1.00-0.355	860	>80%	<5.5	<5	8 min

Market Applications: Industrial (Packaging, Absorbent), Construction (Insulation), Horticultural

Handling: Respiratory protection, additional information available upon request.

The physical properties of Vermiculite products represent typical values obtained from accepted test procedures and are subject to manufacturing variations. Technical data supplied as a technical service and subject to change without notice.