



## VERMICULITE

### Product Specification

Vermiculite is a mineral mined in a method similar to mica. During a process called Exfoliation, Vermiculite is subjected to intense heat and expands up to twenty times its original size.

As Exfoliation occurs, millions of microscopic gaps are created in the particles which give them insulation and water retention properties.

Besides these highly beneficial qualities, Vermiculite is lightweight, air entraining and absorbent. It is also environmentally friendly, chemically neutral and sterile.

### Product Data

Vermiculite exists as lightweight, accordion shaped granules which are coloured from light to dark brown.

### Chemical Data

SiO <sub>2</sub>	38-40%	H <sub>2</sub> O	8-10%
MgO	24.5-27%	K <sub>2</sub> O	4-6%
Al <sub>2</sub> O <sub>3</sub>	8-9.5%	Fe <sub>2</sub> O <sub>3</sub>	5-6%

### Product Names and Grade

- |             |                    |
|-------------|--------------------|
| • UNO-LIT   | Grade 1: Superfine |
| • DUE-LIT   | Grade 2: Fine      |
| • VERMIGRO  | Grade 3: Medium    |
| • QATRO-LIT | Grade 4: Large     |

### Packaging

Vermiculite is packed in 100 litre Polypropylene bags, with 24 bags per pallet. It is also available in Bilk Bag Supply.





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### Storage

Vermiculite bags must be kept dry until ready for use. The bags should be stored off the ground, under cover, and away from wet or damp surfaces or areas of very high humidity. During storage or transportation, compaction of the product is likely to occur.

### Typical Use of Product

The valuable properties of exfoliated Vermiculite enable it to be used in a wide variety of applications across many industries. Some examples of these applications are:

- In the Agricultural industry:
  - Potting Mixes
  - Animal Feed
  - Soil Conditioner
  - Fertilizers
  - Seed Germination
  - Propogation
  - Hydroponics
- In the Industial industry:
  - Furnaces
  - Insulation
  - Castables
  - Absorbent Packaging
  - Filtration
  - Waste Disposal
  - Brake Pads



For more information on Vermiculite and other products in our range, please contact:

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