



EFFICIENCY WITH QUALITY

Vermiculite Mineral

We have expertise in extracting, shipping, and delivering mineral products with high efficiency.

MMI Vermiculite Applications

INSULATION

Vermiculite has excellent insulating properties due to its ability to trap air within its expanded layers. It is commonly used as insulation in construction materials, such as loose-fill insulation, concrete aggregates, and insulation boards.

HORTICULTURE & GARDENING

Vermiculite is widely used in gardening and horticulture. It improves soil aeration, moisture retention, and nutrient availability. It can be added to potting mixes or used as a standalone soil amendment to promote healthy plant growth.

FIREPROOFING

Expanded vermiculite has high resistance to heat and fire. It is used in fireproofing materials, such as sprays and coatings, to provide a protective barrier against flames and heat transfer.

LIGHTWEIGHT CONCRETE

Vermiculite is often used as an aggregate in lightweight concrete, also known as vermiculite concrete. The resulting material is lightweight, insulating, and has good fire resistance, making it suitable for construction applications.

PACKAGING

Expanded vermiculite is used as a packaging material for fragile and sensitive goods. Its lightweight and cushioning properties help protect items during transportation.

VERMICULITE BOARDS & PANELS

Vermiculite boards are manufactured using vermiculite and other binders. These boards have excellent thermal properties and are used in applications such as wood stoves, fireplaces, and thermal insulation boards.

INDUSTRIAL APPLICATIONS

Vermiculite finds various industrial applications, including filtration, absorbents, friction linings, sealants, and coatings.

Product Typical Characteristics

- Lightweight
- Fire Resistance
- Thermal Insulation
- Sound Absorption
- Aeration and Water Retention
- Chemical Stability
- Expansion Ability
- Incombustibility
- Non-Asbestos
- Chemical Inertness
- Color and Texture
- Abrasive Properties

About MMI

Our company stands out as a premier manufacturer and supplier of a wide range of minerals in the USA. With an unwavering commitment to excellence, we take great pride in offering an extensive selection of high-quality minerals, including mica, quartz, feldspar, vermiculite, rutile, garnet, barite, kaolin, and more. Our state-of-the-art facilities and deep expertise enable us to produce premium grade minerals that cater to the specific requirements of our valued customers.

Contact Us

(855)208-2224

info@mallimineralsinternational.com

1451 East 8th Street,
Jacksonville, FL 32206



SUPER FINE GRADE



FINE GRADE



MEDIUM GRADE



LARGE GRADE



EXTRA LARGE GRADE



RAW VERMICULITE

MATERIAL	FORM	GRADE
RAW VERMICULITE	CRUDE	RAW
SUPER FINE GRADE	0.5 TO 1 MM	EX-FOLIATED
FINE GRADE	1 TO 2 MM	EX-FOLIATED
MEDIUM GRADE	2 TO 4 MM	EX-FOLIATED
LARGE GRADE	4 TO 8 MM	EX-FOLIATED
EXTRA LARGE GRADE	8 TO 12 MM	EX-FOLIATED

PHYSICAL PROPERTIES RESULT

PROPERTIES	RESULT
Moisture content	2 %
Apparent weight	0.25-0.35 g/cc
pH	6 - 9
Sintering temperature	Approx. 1200 °C
Melting point	Approx. 1330 °C

CHEMICAL ANALYSIS

PARAMETERS	PERCENTAGE VALUE
SiO ₂	35% - 41%
Al ₂ O ₃	6% - 9.5%
Fe ₂ O ₃	6% - 9.5%
MgO	21.5 % - 25.5 %
CaO	2% - 6 %
K ₂ O	3% - 6 %
TiO ₂	0.6% - 1.4 %
P ₂ O ₃	0.2% - 2 %