



NESTAAN NV  
Z.I. Tournai Ouest II  
Rue du bois des Hospices 2  
7522 Blandain—Belgium

Tel. +32/69.77.83.20  
Fax. +32/69.22.95.27  
nestaan@nhb.be  
[www.nestaan.be](http://www.nestaan.be)

## TECHNICAL DATASHEET

# *Exfoliated Vermiculite*

NESTAAN VERMICULITE

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### **Productdescription**

Vermiculite is a mineral, which exfoliates like a harmonica, when rapidly heated at temperatures above 800°C and in this way becomes several times bigger than the original crude.

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### **Application:**

Exfoliated vermiculite can be used for:

- Building and construction (renovation & new)
- Agriculture and horticulture
- Packaging & Absorption
- Fireprotection
- Others like animalfeed, substrates, additives for paints, glues, plastering en odourbags

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### **Product Physical Properties:**

Density: 65-160 kg/m<sup>3</sup>  
Lambda: 0,062-0,065 W/m.K  
PH: 5,5-6,5  
Solubility: insoluble in water and organic solvents  
Fire behaviour: incombustible – A1  
Meltingpoint: ± 1350° C  
Asbestos free



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### **Typical chemical composition (%)**

SiO <sub>2</sub>	38-46
TiO <sub>2</sub>	1-3
Al <sub>2</sub> O <sub>3</sub>	10-16
Fe <sub>2</sub> O <sub>3</sub>	5-13
MgO	16-35
CaO	1-5
K <sub>2</sub> O	1-6
H <sub>2</sub> O	3-16
Other	

### **Granulometrics**

Micron	0 mm / <u>±</u> 0,5 mm
Super fine	0 mm / <u>±</u> 1 mm
Fine	0 mm / <u>±</u> 2 mm
Medium	0 mm / <u>±</u> 4 mm
Large	0 mm / <u>±</u> 8 mm

### **Packaging**

- 100 liter bags
- Big bags
- Bulk
- Others upon request

### **Remarks:**

Our advices or indications regarding technical applications, either in word, in written or by means of trials are provided in good faith, but do entirely remain without commitment, equally regarding possible protecting rights from third parties. It is the obligation of the user to evaluate and judge if it is safe to use or apply the product in a specific way, in a specific application or in a particular proces and to comply with the appropriate local laws, rules and regulations to do so. Application, use and processing of the products takes place beyond our possibilities of control and therefore fall within the liabilities of the user. In case of any liability, for any or all damages this remains limited to the value of the delivered or processed goods, Vermiculite should be stored inside. Obviously we do guarantee the good quality of our products, such as specified according to the general conditions of sale and delivery.

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