

NESTAAN VERMICULITE Medium

1 Description

Vermiculite is a natural, laminated mineral of the mica family that exfoliates when heat-treated at 1000°. During this process, the mineral multiplies because of the evaporated water. After the exfoliation, the particles have a harmonic shape and contain many air bubbles resulting in a lightweight structure. These exfoliated grain is insulating, absorbing, ecological and incombustible.

the color of the exfoliated vermiculite can vary according to the origin of the raw material.

2 Product physical properties

Identification number	CAS N° 1318-00-9
Density	90 kg/m ³ +/-15% depending on the granulometrics and origin
Grade	0 à 4 mm
Lambda	0,05 à 0,08 W/m.K
pH	5.5-10
Solubility	insoluble in water and organic solvents
Waterabsorption	Hygroscopic
Fire behaviour	Incombustible, A1
Melting point	+ 1350° C
Stability	Insensible to atmospheric influences
Appearance	Worm-like, brown or yellow
VOC-level	-
Asbestos free	

3 Typical chemical composition

Silicon (SiO ₂)	38-46 %
Aluminum (Al ₂ O ₃)	10-16 %
Magnesium Oxyde (MgO)	16-35 %
Iron Oxyde(Fe ₂ O ₃)	5-13 %
Titanium Oxyde(TiO ₂)	1-3 %
Calcium Oxyde(CaO)	1-5 %
Kalium Oxyde (K ₂ O)	1-6 %
Moisture (H ₂ O)	3-16 %
Others	1-2 %

4 Application

- Building and construction (renovation & new construction)
- Agri - & Horticulture
- Packaging & absorption
- Fire Protection
- Animal feed, substrates, additives for paints, glue, plastering and odour bags

5 Granulometrics

Micron	0 / ± 0,5 mm
Superfine	0 / ± 1 mm
Fine	0 / ± 2 mm
Medium	0 / ± 4 mm
Large	0 / ± 8 mm

6 Packaging

- Bags of 50 liters, 100 liters by filling
- Big bags of 1200 liters by filling
- Bulk / Others upon request

Pallets of 33 bags / 100 liters

Store inside a dry place. Pallets are not stackable (compression of the material)

PRODUCER:

Nestaan NV
Tel : +32.69.77.83.20

ZI Tournai Ouest II
Fax : +32.69.22.95.27

Rue du Bois des Hospices 2
infonestaan@nhb.be

7522 Blandain



Previous version :
23.05.2019
Version : 23.01.2024

Guarantee and liability: Nestaan NV guarantees that her products, within their shelf life, maintain their properties within the tolerances as indicated in the specification. Our liability will never exceed what is indicated within our general conditions of sale, which can be obtained upon request and which are indicated at the back side of our offers, order confirmations and invoices. By no means the seller is liable to any consequential damages whatsoever. The provided information is the result of our testing and experience and is of general nature. This information by no means implements any acceptance of liability. It is the responsibility of the user, by his own testing, to evaluate if the product is suitable for its intended application. The information and recommendations in this publication are, to the best of our knowledge, accurate at the date of publication. Nothing herein is to be construed as a warranty, whether expressed or implied. In all cases, it is the responsibility of users to determine the applicability of such information or the suitability of any products of their own particular purpose.