



Certificato
n°04888
EA: 2-Estrazione e
lavorazione di



IT-35435



1305-CPR-0076



CERTIFIED M.S.
EN ISO
14001:2015



CERTIFIED M.S.
OHSAS
18001:2007

Basalti Orvieto s.r.l. con Unico Socio
Sede sociale : Via Rocca di Corno 49/ A 67100 L'Aquila
Sede Operativa: Loc. Il Cornale snc 05014 Castelviscardo (TR)
Partita Iva : 01288040668 Cap. Soc.: € 52.000 i.v.
Tel. 0763 360000 Fax 0763 360100

TECHNICAL DATA SHEET

FARINA DI BASALTO

Micronized of natural stone

DESCRIPTION

The micronized Farina di Basalto -Basalt Powder- is obtained through the mechanical grinding of the Basalt from Orvieto Italy, by using of ceramic elements, with no minerals or other substances addition, nor using wash water. The Basalt from Orvieto is a basic rock of volcanic effusive nature containing naturally occurring mineral elements, such as silica, alumina, potassium and calcium. It does not contain free crystalline silica nor minerals containing asbestos, nor substances harmful to the environment or animal life.

MINERALOGIC CHARACTERISTICS

Leucite	50-55%
Nepheline	5%
Feldspar	25-30%
Mafic minerals	10%
Opaque minerals	3%
Oxides of iron and other trace minerals	2%

PHYSICAL CHARACTERISTICS

Density	Mg / mc 2.70
Water solubility	Not soluble in water
physical state	Powdery solid
color	Lightly gray
Odor	not perceptible
pH	7 +/- 0.2
Melting point	1200 ° C
Flash point	the product is not flammable
Explosive properties	the product is not explosive
Oxidizing properties	The product has no oxidizing properties
Solubility	does not know solvents capable of dissolving the rock in question

CHEMICAL COMPOSITION

Silicon Oxide (SiO ₂)	49%
Aluminum Oxide (Al ₂ O ₃)	20,5%
Potassium Oxide (K ₂ O)	8%
Iron Oxide (Fe ₂ O ₃)	7,5%
Calcium Oxide (CaO)	7,2%
Magnesium Oxide (MgO)	2,8%
Sodium oxide (Na ₂ O)	2,5%



Content in organic substances	Not present
Asbestos	Not present
Radioactivity emission	Not present
Heavy metal release	Less than threshold values
Release of polyaromatic hydrocarbons	Not present

GRANULOMETRY

Filler F 0-100 µm

10% OF PASSER	1,77µm
50% OF PASSER	20,11µm
90% OF PASSER	62,14µm

Filler SF 0-50 µm

10% OF PASSER	1,18µm
50% OF PASSER	6,23µm
90% OF PASSER	27,44µm

Filler XF 0-25 µm

10% OF PASSER	0,89µm
50% OF PASSER	2,76µm
90% OF PASSER	16,39µm

STORAGE AND DISPOSAL

Store in a dry and ventilated place. The outer packaging may weaken and / or change color if exposed to sunlight for several months a year.

The product does not require specific transportation procedure.

In any case, compliance with the good transportation and handling regulations is recommended. Make sure that the product is carefully covered so as not to alter the state of the packaging.

The product is neither inflammable nor explosive and no harmful substances are released in case of contact with fire.

Disposal of the product and packaging must be in accordance with current local laws and regulations.

PRECAUTIONS

During handling, we recommend the use of a dust mask, gloves and goggles, as required by good work hygiene practice.

The product is not toxic if ingested or inhaled and does not cause problems with the skin contact unless specific allergies to the product's mineral components.

If inhaled or eyes contact, it can cause discomfort like a powder hence wash thoroughly with cold water.

If swallowed, do not induce vomiting and contact your doctor in case of symptoms.

For more information refer to the safety data sheet.