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Perlit Kimya Madencilik İth.İhr.San.ve Tic.Ltd.Şti.



www.euoper.com.tr

About us



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Perlit Kimya Madencilik İth.İhr.San.ve Tic.Ltd.Şti.

Euoper Perlite was launched with experienced, innovative and young dynamic team in 2015 on 2500m2 area in GaziantepTurkey.With our expanded perlite plant, we complete one of the most required perlite necessities in construction - agriculture - nutrition - industry - textile sectors. We own the most advanced perlite production technology system at our plant that is run by a group of skilled labour, innovative engineers and experienced management team.

EUOPER Perlite aspire to be at the top of the market with the principle of providing solutions that are up to the World standards to our customers and countries. Despite having started recently, Production activities are consinstently carried out in our big laboratory by a staff of experienced and fully equipped experts together with qualified personnels.



EXPORT DESTINATIONS



QATAR



EGYPT



ESTONIA



LIBYA



KUWAIT



ISRAEL



NETHERLANDS



UAE



BELGIUM



LEBANON



SPAIN



ROMANIA



CANADA



UKRAINE



IRAQ



JORDAN



LITHUANIA



LATVIA



SAUDI ARABIA



SOUTH AFRICA



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Mission & Vision

Our Mission

- ★ The mission of Europere is to provide quality products to customers delivered with a sense of warmth, friendliness and company spirit.
- ★ To meet our customers' needs by constantly developing the quality of our products and services.
- ★ Sensitivity to the environment through social responsibility of human life with eco friendly products that fit the standards and increase clean&healthy production capacity.
- ★ To ensure that our country's mineral resources obtains an honoring position in the global trade particularly in Europe.
- ★ To become the leading and most preferred competitor in global perlite market by expanding our domestic manufacturing plant and making foreign investments.
- ★ Training technical personnels to satisfy demands in the mining sector.
- ★ To transform mineral resources to raw materials that are ready for use in industries and meet social needs.
- ★ To protect and use our natural resources in the productive way.

Our Vision

- ★ To grow in the field of expanded perlite&vermiculite and sustain market demands by appreciating the value and importance of our customers, staff, society, country, nature and environment.
- ★ To improve our competitiveness and become one of the leading suppliers of perlite&vermiculite in the global market through international platforms.
- ★ To become Turkey's and the world's most trustworthy and prestigious enterprise in the field of expanded perlite&vermiculite.

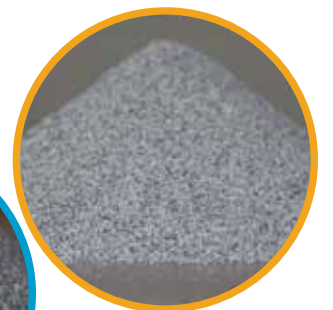
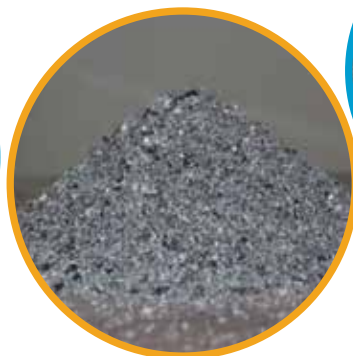
What is Perlite?



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- ✦ Perlite is a general name given to a naturally formed amorphous volcanic glass that can only be found in specific places in the World.
- ✦ Perlite can expand 35 times from it's original volume when softened by heating it from 850°C to 1150°C.
- ✦ This expansion process is facilitated by water found inside the crude rock. When perlite ore is heated up to more than 850°C (16000°F), water inside starts to evaporate leading expansion of the softening rock.
- ✦ The expanded perlite's exceptional lightweight and physical properties and brought about as small burble like glasses are formed.
- ✦ Perlite is found in various grey tones and some particles comes close to black color and it is called perlite ore in this state.
- ✦ Classic perlite: Perlite ore is resized by breaking it into various sizes by filtering it in stages.
- ✦ Expanded perlite: Classic perlite expands 35 times from it's original size as a result of exploding due to losing water that's trapped inside when subjected to high temperatures of fire flame.
- ✦ Expanded perlite is produced in various fraction sizes according to sector of use.





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Expanded Perlite

Expanded perlite's areas of use:

Expanded perlite can be used in the following sectors;

- Agriculture
- construction
- Filtration
- Insulation
- Textiles
- Fillers & Casting
- Petrol industries
- Cleaning medium

Expanded perlite's types:



Agriculture

Food and beverages

Construction

Industries

Textiles

Agricultural Perlite

EPT-T1-T2-T3



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Type : AGRICULTURAL PERLITE

Description : Perlite EPT-T1 - T2 - T3

Typical Physical Properties

Color : White

Appearance : Fine Powder

Loose Density (kg/m³) : 50 - 80

Moisture : max %1

Size of the product : 0-9 mm

PH : 6-8,5



Partical Size

T-1

T-2

T-3

MM	%	%
6 mm	30	35
5 mm	20	25
3 mm	15	25
2 mm	10	13
1 mm(ALTI)	2	3

MM	%	%
7 mm	15	20
6 mm	30	35
5 mm	25	30
4 mm	25	30
3 mm(ALTI)	3	5

MM	%	%
9 mm	5	10
8 mm	20	25
6 mm	25	30
4 mm	25	30
3 mm(ALTI)	3	5

Content	%
SiO ₂	73,81
Al ₂ O ₃	13,84
CaO	0,9
MgO	0,13
Na ₂ O	3,85
K ₂ O	4,83
Fe ₂ O ₃	0,72
MnO	0,1
TiO ₂	0,09
P ₂ O ₅	0,03
Cr ₂ O ₃	<0,001
LOI	1070
SUM	100

Content	%
Sb	986
As	83
Ba	527
Cu	3
Ni	4
Sr	64
Zn	31
Pb	8
S	<100
La	5
Ce	33
V	39





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Agricultural Perlite

EPT-T1-T2-T3

Advantages of Agro perlite

- ★ Perlite makes soil ventilated and improves its drainage with its 90% porosity and 60% ventilation porosity.
- ★ Perlite increases infiltration, decreases evaporation. Provides economical watering procedure.
- ★ Doesn't carry weed seed or illness because it is an organic material.
- ★ Perlite doesn't cause saltness and alkalization problems because of less amounts of soluble ions in it.
- ★ Regulates Ph values with its chemical buffering properties and notralized pH (pH=6,5-7,5).
- ★ Because of its lower electrical conductivity, it protects plant from daily temperature changes.
- ★ In non-soiled agriculture activities; it brings advantages of usage with sterilization and usage for 6 years. It can provide early production.
- ★ Prevents injuries and losses at seedling roots.
- ★ It is organic and therefore it does not decay.
- ★ It stimulates ventilation and drainage for roots.
- ★ Due to its high porosity capacity, It helps plants to absorb minerals and vitamins during watering.
- ★ It is economical and renewable.
- ★ Easily portable due to its lightweight thus requires little labor.
- ★ It maintains ambient temperatures in the environment due to its porous and insulating structure.



COMPLIMENT PRODUCT

VERMICULITE

Vermiculite is made from compressed dry flakes of a silicate material which is absorptive and spongy. The color of vermiculite is a golden brown to a dark brown and is a sometimes difficult to tell from the potting soil it's mixed with. When water is added to vermiculite, the flakes expand into a worm-like shape and act like an absorbing sponge.



Filter Aid Perlite



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Type	: FILTER AID PERLITE
Description	: Perlite EPF / F0 - F1 - F2 -F3
Typical Physical Properties	
Color	: White
Appearance	: Fine Powder
Loose Density (kg/m ³)	: 90 - 135
Moisture	: max %1
PH	: 6-8,5



Partical Size

MOCRON	%	%
500	10	15
250	20	25
150	15	25
74	30	35

Content	%	Content	%
SiO ₂	73,81	Sb	986
Al ₂ O ₃	13,84	As	83
CaO	0,9	Ba	527
MgO	0,13	Cu	3
Na ₂ O	3,85	Ni	4
K ₂ O	4,83	Sr	64
Fe ₂ O ₃	0,72	Zn	31
MnO	0,1	Pb	8
TiO ₂	0,09	S	<100
P ₂ O ₅	0,03	La	5
Cr ₂ O ₃	<0,001	Ce	33
LOI	1070	V	39
SUM	100		





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Filter Aid Perlite

Nutrition industry.

- ✦ Filtration of wine, beer and liquors.
- ✦ Filtration of cooking and vegetable oils.
- ✦ Filtration of Juices.
- ✦ Filtration of sugar juice.
- ✦ Filtration of corn sherbet (glucose/dextrose production).

Chemical and pharmaceutical industry.

- ✦ Distilling antibiotics.
- ✦ Pectin filtration.
- ✦ Sulphuric acid filtration.
- ✦ Uranium syrup filtration.
- ✦ Phosphoric acid filtration.
- ✦ Citric acid filtration.

Paper industry.

- ✦ Sodium silicate (water glass) filtration.
- ✦ Filtration of paints.

Other Filtration Procedures

- ✦ Machine oils (regeneration of machine oils)
- ✦ Filtration of drinkable water.
- ✦ Filtration of swimming.
- ✦ Filtration of waste water cleaning.



Construction Perlite EPI-1



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Type : CONSTRUCTION PERLITE

Description : Perlite EPI-1

Typical Physical Properties

Color : White

Appearance : Fine Powder

Loose Density (kg/m³) : 40 - 60

Moisture : max %1

Size of the product : 0-2 mm

PH : 6-8,5



Partical Size

MM	%	%
2 mm	10	15
1,5 mm	20	25
1 mm	30	35
800 mocron	15	25

Content	%	Content	%
SiO ₂	73,81	Sb	986
Al ₂ O ₃	13,84	As	83
CaO	0,9	Ba	527
MgO	0,13	Cu	3
Na ₂ O	3,85	Ni	4
K ₂ O	4,83	Sr	64
Fe ₂ O ₃	0,72	Zn	31
MnO	0,1	Pb	8
TiO ₂	0,09	S	<100
P ₂ O ₅	0,03	La	5
Cr ₂ O ₃	<0,001	Ce	33
LOI	1070	V	39
SUM	100		





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Construction Perlite

EPI-1

- ★ Perlite is a superior heat and sound insulator due to its porosity.
- ★ In buildings; perlite is used to maintain heat and sound insulation in plasters, roofing and floors.
- ★ Perlite protects buildings from earthquakes by reducing the dead load of the structure due it's to lightweight property. It can not lose its properties when exposed to extreme heat because it is inorganic, it prevents fire from spreading.
- ★ Used as an aggregate in lightweight insulating concrete and plaster.
- ★ Loose filler in heat and sound insulation.
- ★ Used as an insulator in surface tiles.
- ★ Special perlite concrete for other purposes rather than plaster.

Other Areas of Use

- ★ Used as an additive in the glass and ceramics industry.
- ★ Used as a facilitating additive in drilling and cementation.
- ★ Insulator in ship decks.
- ★ Filtration medium in petroleum and other oils.
- ★ Prevents water evaporation in dam lakes and open water reservoirs.
- ★ Used as a filler in packaging.
- ★ Used as a filler in plastic foams.
- ★ Used as a filler in cheap and lightweight plastic furniture structures.



Industry Perlite

EPK-K-1



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Type : CRYOGENIC PERLITE

Description : Perlite EPK-K-1

Typical Physical Properties

Color : White

Appearance : Fine Powder

Loose Density (kg/m³) : 40 - 50

Moisture : max %1

Size of the product : 0-2 mm

PH : 6-8,5



Partical Size

MM	%	%
2 mm	10	15
1,5 mm	20	25
1 mm	30	35
800 mocron	15	25

Content	%	Content	%
SiO ₂	73,81	Sb	986
Al ₂ O ₃	13,84	As	83
CaO	0,9	Ba	527
MgO	0,13	Cu	3
Na ₂ O	3,85	Ni	4
K ₂ O	4,83	Sr	64
Fe ₂ O ₃	0,72	Zn	31
MnO	0,1	Pb	8
TiO ₂	0,09	S	<100
P ₂ O ₅	0,03	La	5
Cr ₂ O ₃	<0,001	Ce	33
LOI	1070	V	39
SUM	100		

EUOPER EPK-K-1

- ✦ Perlite is used in double Wall tanks so as to maintain preservation of flammable liquids.
- ✦ It simply filled between double walls of the tank under the atmospheric pressure or vaccum.
- ✦ Liquidified petrol gas (LPG).
- ✦ Liquidified natural gas (LNG).
- ✦ Liquid oxygen.
- ✦ Liquid nitrogen and ammonia.
- ✦ Liquid progen, ethane and methane.
- ✦ Liquid noble gases, propellant gases, refrigerant gases e.t.c



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Textile Perlite EPT-TEX-1

Type : TEXTILE PERLITE

Description : Perlite EPT - TEX - 1

Typical Physical Properties

Color : White

Appearance : Fine Powder

Loose Density (kg/m³) : 40 - 50

Moisture : max %1

Size of the product : 0-3 mm

PH : 6-8,5



EUOPER EPT - TEX - 1

Partical Size

MM	%	%
3 mm	10	15
2 mm	20	25
1 mm	30	35
800 mocron	15	25

Perlite is a material that is insoluble and non chemical reactive due to its stable structure. It is used as a bleaching agent in textile washing sector.

It is also harmless since it's a sterile. Products that apply perlite do not erode, does not cause abrasion in machines and it's easy to use thanks to its lightweight property. Perlite is one of the most demanded materials in the textile industry especially in jeans' washing process.

Content	%	Content	%
SiO ₂	73,81	Sb	986
Al ₂ O ₃	13,84	As	83
CaO	0,9	Ba	527
MgO	0,13	Cu	3
Na ₂ O	3,85	Ni	4
K ₂ O	4,83	Sr	64
Fe ₂ O ₃	0,72	Zn	31
MnO	0,1	Pb	8
TiO ₂	0,09	S	<100
P ₂ O ₅	0,03	La	5
Cr ₂ O ₃	<0,001	Ce	33
LOI	1070	V	39
SUM	100		



Euoper perlite is packaged in laminated polypropylene sacks in different sizes (100Lt bags and 200Lt bags). We load the bags in a 40'HC container in different quantities inline with the customer's preferred size of bags. There are 750 bags of 100 Lt or 375 bags of 200 Lt. However these values can change accordingly. Furthermore, the packaging varies with the type of perlite ordered by the customer as it can be in big bags for some types i.e perlite ore,.. We have our logistics partners and we can offer our customers competitive shipping prices to any destination after settling all the terms.

AGRO PERLITE

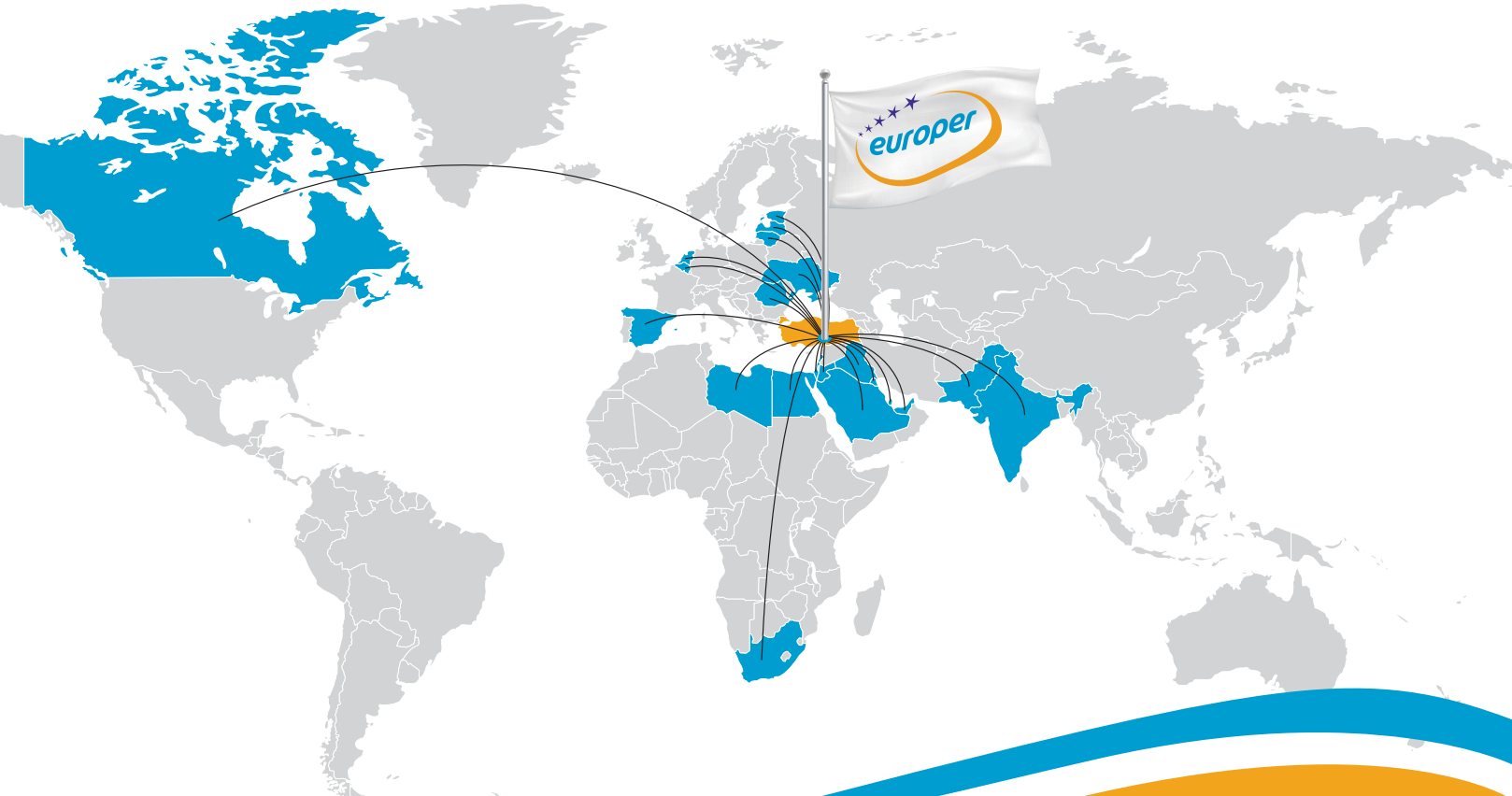
Agro Perlite	Number of bags.		Quantity-m3
	200 Lt.	100 Lt.	
40'HC	375 pcs	750 pcs	75 m3

FILTER - AID PERLITE

Filter - aid Perlite	Number of bags.		Quantity-Tons
	100 Lt. (13-15) Kgs		
40'HC	750-950 pcs		14 - 15

PERLITE ORE

Perlite Ore	Number of bags.		Quantity-Tons
	1 Ton bigbags		
40'HC	27 pcs		24 - 27





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Certificates





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