

PERLITE

Perlite is one of nature's most versatile and efficient minerals. Its unique characteristics of being lightweight, sterile, insulating, and fireproof make it an important element in construction, agriculture and industrial applications.

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HORTICULTURAL PERLITE

PROPAGATING MEDIUM

When used as a medium for propagation perlite will:

- Provide excellent drainage while assuring adequate moisture holding capacity.
- Not become compact or soggy
- Prevent root losses when cuttings and seedlings are removed from the medium because of its capacity to cling to roots. This also reduces transplanting losses.
- Last for indefinite periods because it resists breakdown with continued and repeated use.

SOIL CONDITIONER

- Soil structure is improved due to the near ideal air-water relationship that is developed in the growing media.
- The air holding capacity of the soil is increased and adequate drainage is assured.
- Overwatering and underwatering losses are reduced due to the surface structure of the particle which retains 3 to 4 times its weight in water without penetrating the particle. Excess water will drain off.
- Cracking and crusting of soil surface is reduced
- A more even distribution of the root system throughout the entire growing media is made possible.
- Production costs are reduced in that the material is easy to handle, does not require sterilization and mixes may be accurately duplicated because of consistent perlite quality.
- Uniform growing and propagating media are insured regardless of season or location



HYDROPONICS

Perlite is the best all horticultural substrate on the market for hydroponic growing; no other substrate offers the combination of capillary lift, water retention, air filled porosity, sterility and consistency. In addition, Perlite is reusable and easily sterilized between use. It is a stable mineral that does not breakdown or degrade like organic substrates, making the long term management of crops easier.



AS A LIGHTWEIGHT AGGREGATE

Perlite is used as an extremely lightweight aggregate for insulating concrete in roof decking, floors, decorative stone products, bricks and tiles, tilt-up panels, pottery, cast sculpture, and more. By following specific procedures, typical ready-mix batching equipment and trucks can be used for perlite concrete.

AS A FILTRATION MEDIA

Beer, wine, juices, chemicals, pharmaceuticals, oils, acids, sugars, bio-diesels, and water (potable, swimming pool, and storm runoff) are all filtered with perlite that has been expanded and crushed to form a complex maze of microscopic pathways that makes a highly-effective filter cake.

