Applications of Perlite
the Versatile Mineral

Crude Ore
- Sandblasting, foundry & steel industries, slag coagulant, special casting sand, metal finishing, silica source

Medium to High Temperature Insulation
- Boiler covering in quilted mattresses & in hardsetting compositions, pipe covering in coaxial tubes, compression molded pipe half sections, pour-in pipe insulation

Cryogenics
- Super-cooled industrial gases in containers for transport & in stationary plants

Abrasives
- Soaps, cleaners, polishes, dental compounds, stone wash wheels, discs

Fillers
- Explosives, caulking compositions, paints, plastics, packing for shipping

Adsorption
- Carrier of agrichemicals in pesticides & herbicides, fertilizer bulking, pelletized seeds, catalytic carrier, oil adsorption for pollution control & clean up

Agricultural Additive/Supplement
- Poultry litter supplement to reduce odor & moisture adsorbant, animal feed anti-caking agent & filler, carrier for nutrients/medicines

Air Filtration
- Pre-coat for baghouses

Liquid Filtration
- Beer, wine, edible oils, citric acid, sugar, oils, pharmaceuticals, fruit juices, glucose, chemicals, wort, swimming pool water, potable water, storm water runoff, bio diesel

Expanded Perlite
Granules of different bulk density and size

Ambient & Low Temperature Insulation
- Roof decking, concrete floor fill, concrete blocks, bituminized perlite, perlite asphalt, core filler in wallboards, cavity wall insulations, refrigeration plants, portable ice boxes, containers

High Temperature Insulation
- Foundry cores & molds, ovens, crucible topping

Oil Well Treatments
- Oil well cementing & low density mud

Fireproofing
- Fire insulation in safes, rooms, doors, chimney linings

Acoustic
- Plasters, mortars, plaster boards, ceiling tiles & upper wall insulation, highway sound absorbing walls

Horticulture
- Plant rooting, seed starting medium, growing medium, soil conditioner, seed coating, hydroponic, green roofs

Lightweight Aggregate Construction
- Lightweight aggregate concrete, tilt-up panels, bricks & tiles, pottery & refractories, non-load bearing fill, tunnel walls & pipe coating, floors, masonry, roofs, pipes-leveling, insulation

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