Applications of Perlite
the Versatile Mineral

Expanded Perlite
Granules of different bulk density and size

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

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