Applications of Perlite
the Versatile Mineral

Expanded Perlite
Granules of different bulk density and size

Crude Ore
Sandblasting, sand 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 coxial 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

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

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

Air Filtration
Pre-coat for baghouses

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

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

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

Oil Well Treatments
Oil well cementing & low density mud

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

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

Perlite Institute, Inc.
www.perlite.org • (717) 238-9723
Copyright © 2009 Perlite Institute All Rights Reserved