



Optimal control of water and nutrients through perlite – in a grow bag

The volcanic rock perlite is characterised by high pore volume (95%) and good water retention ability (up to 45%). As perlite is chemically neutral (inert) as a hydroponic substrate, precise adjustment of the pH value, addition of fertiliser, and watering can be optimally controlled. This makes hydroponic cultivation in perlite more stable than cultivation in other substrates.

The capillarity of perlite provides rapid moisture take-up. Water and the nutrients dissolved in it pass from granule to granule. Sedimentation during water dissipation is prevented.

In addition, the Knauf Perlite Grow Bag possesses first-class drainage properties. Damage through overwatering is practically impossible. Even under absolute water saturation, perlite still retains sufficient air volume for optimum root growth. Roots can grow through the perlite, and the product is stable against subsidence

Totally environmentally friendly: Perlite is a natural product, classified as a soil additive under the EU Fertiliser Regulation – so there are no disposal problems. The contents of the Knauf Perlite Grow Bags are pH-neutral and chemically inert. Perlite poses no threat whatsoever to health. Following cultivation, used perlite can be spread and worked into fields with no problems.

Knauf Perlite Growbag: Consistently high quality of both perlite and packaging

The Knauf Perlite Growbag offers horticulturists a simple method for hydroponic cultivation of vegetables such as tomatoes, cucumbers and peppers, or for cut flowers such as roses, gerbera and anthuria. The product is environmentally-friendly and produces results with less water and less land.

High quality of both perlite and film: As well as the consistently good quality of the perlite substrate, the quality of packaging film used (100 µm thick) is also very high. The stable, durable sheeting is even UV-stable under the effects of intensive, southern European sunshine for 2 years. The contents and packaging undergo continuous quality control.

Many formats are available: The Knauf Perlite Grow Bag is available in two standard sizes. However, Knauf Perlite also offers customised formats: sacks can be between 400 - 1200 mm long, 200 - 280 mm wide, and containing volumes between 6 - 31 litres of perlite.

A major company: As the largest manufacturer of perlite in Europe, Knauf Perlite is well placed to produce and deliver even the largest quantities, quickly and to a consistently high quality. The Knauf name stands for proven quality, and Knauf Perlite has many years experience in the production and sale of perlite for horticultural use.

Specifications		
Width (mm)*	230	280
Length (mm)*	1000	1200
Volume (litre)	19	31
Sheeting thickness (µm) - 2 years stability against UV in southern Europe	100	100
Granule size (mm)	2/6 or 1/3	2/6 or 1/3
Items/pallet	120	100

*Other sizes on request.