

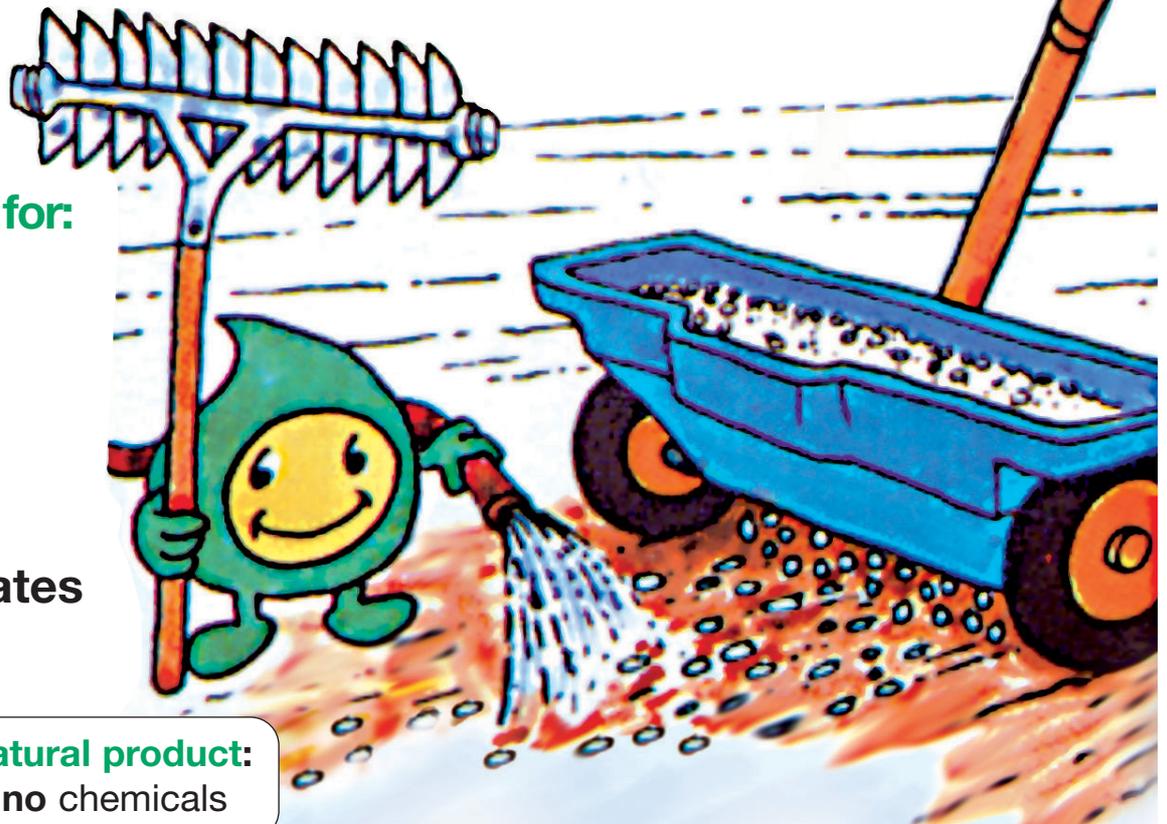
Agroperl® -F (fine)

(neutral Agrar-europerl® Type K1: for enhanced water retention)

- 1 optimizes air-water-ratio
- 2 moistens and aerates
- 3 promotes fine-root growth
- 4 natural long-term soil improvement material
- 5 ecologically-friendly and healthy
- 6 long-lasting, pest-resistant

especially for:

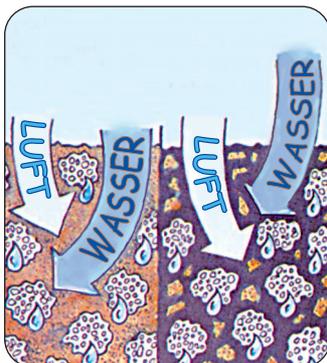
- ✓ sandy soils
- ✓ peats
- ✓ dry climates



granular natural product:
no fibers, no chemicals

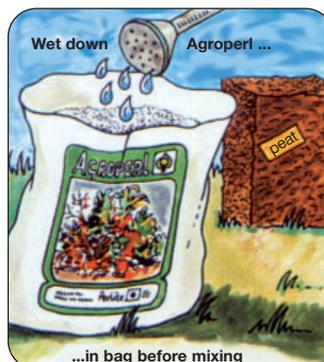
Agroperl® is open-pore volcanic rock: designed as physical soil enhancer and neutral growing medium for creating an optimal soil climate.

Outdoor Areas and Planters



promotes growth through proper air : water ratio

Substrates and Peats



stores and aerates moistens stable volume

Pots and Planting holes

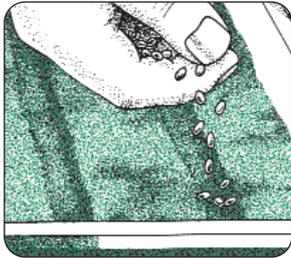


promotes fine roots and prevents damage during replanting



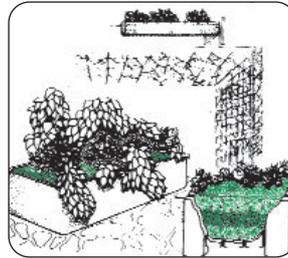
Using Agroperl®-F

In addition to improving structure, use especially for retaining moisture, as in the case of dry or sandy soils, fine-rooted plants, and those with greater water needs (see **Agroperl®-G** for opposite requirements)



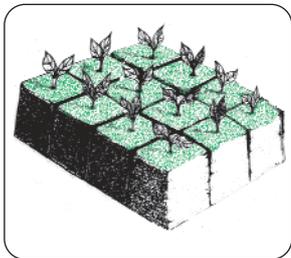
Sowing and Transplant Substrates

Agroperl®-F 40 - 70 % by vol.
faster growth
lower loss rate
reduces transplant shock



Substrate Creation

for plants with elevated water need and fine roots, such as hydrangeas, azaleas, etc.
Also prevents peat from drying out
Agroperl®-F approx. 70 % by vol.



Seed Cubes, Pressed-Earth Pots

increases drainage
easier to water
otherwise similar to "Sowing" in substrate
Agroperl®-F 20 - 40 % by vol.
For light reflection and moisture retention coverage: 0,5-1 cm of **Agroperl®-F**



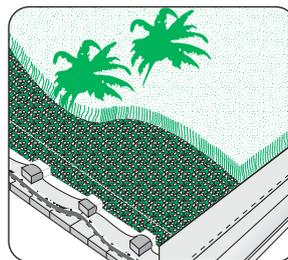
Soil Enhancement

outdoor areas: for soft soils
for medium soils
for sandy soils
and everywhere where there is a lack of moisture but sufficient air work in 30 - 80 l/m²/10 - 20 cm or mix with soil, peat, etc.
Agroperl®-F 30 - 70 % by vol.



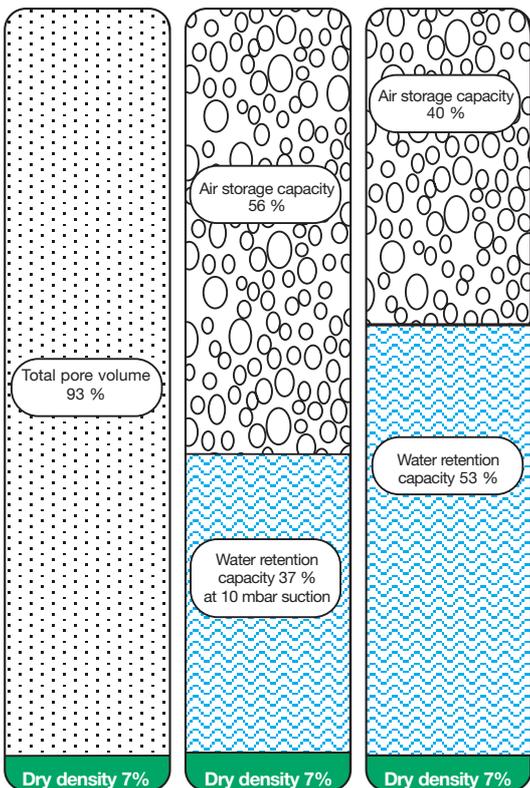
Rooting

for cuttings with high moisture need, as well as for fine-root and soft-stem plants
pure (100 % Vol. **Agroperl®-F**) or mixed with soil, peat, etc.
Agroperl®-F 40 - 80 % by vol.



Roof Garden Substrates and Thin Overlays

Overlays with up to 30% incline may be mixed with soil, peat, etc.
Agroperl®-F 40 - 70 % by vol.



Note: Moisten well when using (30-40 l / bag).
When wetting, keep greater water retention capacity in mind.

* Infiltration rate may be affected by de-mixing or introduction of mud.

Technical Data

Infiltration rate: average (40-74 cm/h) *
Water storage: approx. 53 % by vol.
Water retention capacity: approx. 37 % by vol. (at 10 mbar suction)
Air storage capacity: approx. 56 % by vol.
Total pore volume: approx. 93 % by vol.
Dry density: approx. 7 % by vol. = approx. 100 kg/m³
Weight wet (saturated): approx. 53 % by vol. = approx. 630 kg/m³
Organic material: 0 % by vol.
pH range: neutral
Stability: non-decaying, stable form
Sterilization: **Agroperl®** is completely clean and sterile when delivered. (Can be sterilized with flame, chemicals, or steam for re-use.)
up to 800 °C brief periods up to 1200 °C
approx. 0,23 mS cm⁻¹
Temperature resistance:
Conductance: ≤ 3 mm
Grain size:

Labeling per Düngemittelverordnung [Fertilizer Act] BGBl Nr. 1007/94:
Inverkehrbringer: Stauss-Perlite GmbH, A-3100 St. Pölten, Stifterstr. 4
Country of origin: Austria; Trade name: Agroperl
Designation: soil enhancer
Original material: 100 % mineral from cellularly expanded volcanic rock, intentionally capillary for agricultural use.
Intended uses: see "Uses"
Weight or volume: see "Technical Data"