

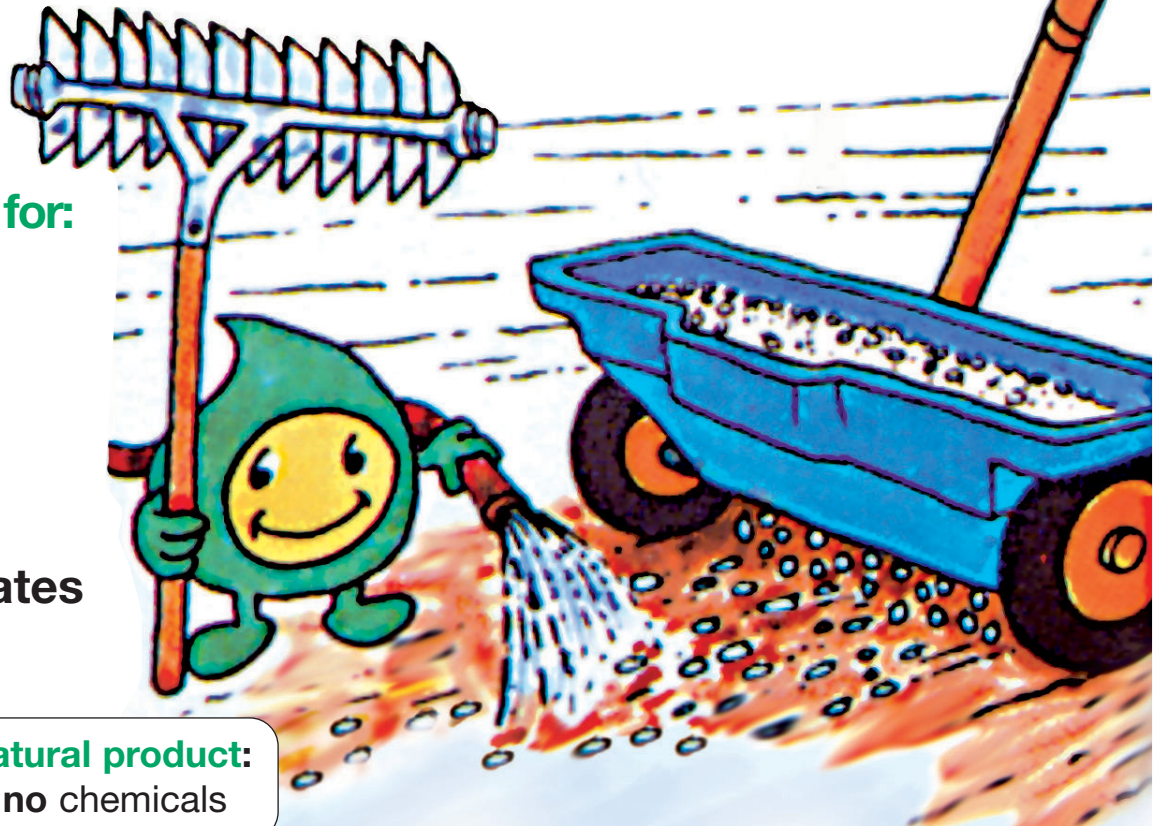
## Agroperl® -F (fine)

(neutral Agrar-euoperl® 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:

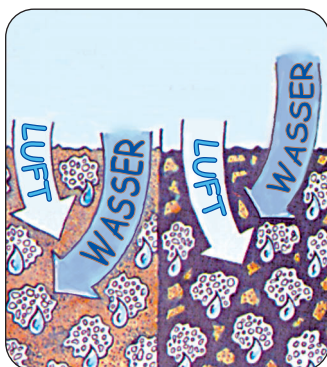
- ✓ sandy soils
- ✓ peats
- ✓ dry climates



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

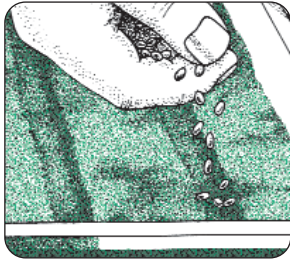


promotes fine roots and prevents damage during replanting



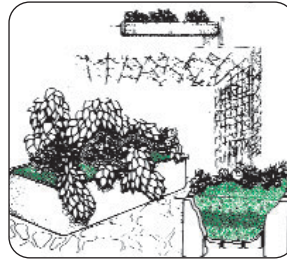
## Using **Agroperl**<sup>®</sup>-F

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**<sup>®</sup>-G for opposite requirements)



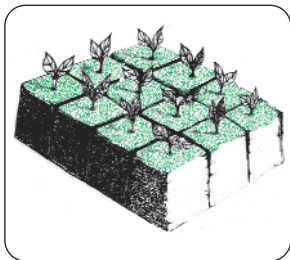
### Sowing and Transplant Substrates

**Agroperl**<sup>®</sup>-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**<sup>®</sup>-F approx. 70 % by vol.



### Seed Cubes, Pressed-Earth Pots

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



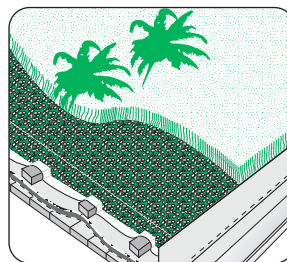
### Soil Enhancement

**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/m<sup>2</sup>/10 - 20 cm** or mix with soil, peat, etc.  
**Agroperl**<sup>®</sup>-F 30 - 70 % by vol.



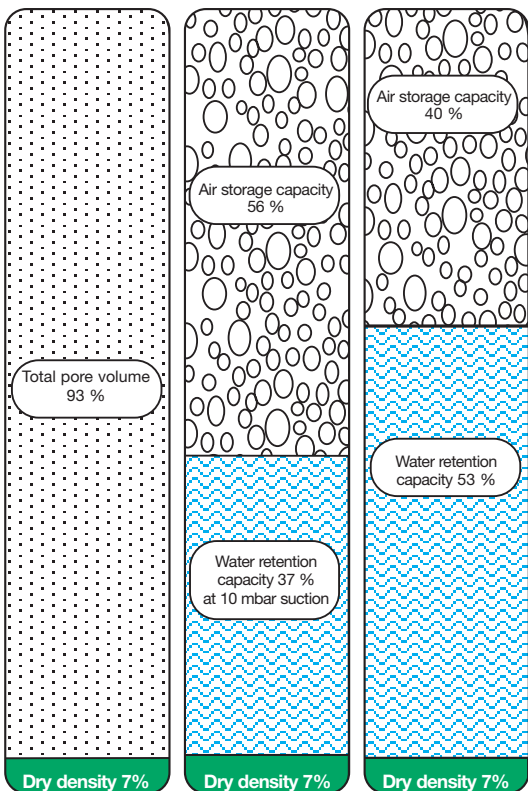
### Rooting

for cuttings with **high moisture need**, as well as for fine-root and soft-stem plants  
pure (**100 % Vol. Agroperl**<sup>®</sup>-F) or mixed with soil, peat, etc.  
**Agroperl**<sup>®</sup>-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**<sup>®</sup>-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/m <sup>3</sup>
Weight wet (saturated):	approx. 53 % by vol. = approx. 630 kg/m <sup>3</sup>
Organic material:	0 % by vol.
pH range:	neutral
Stability:	non-decaying, stable form
Sterilization:	<b>Agroperl</b> <sup>®</sup> 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
Conductance:	approx. 0,23 mS cm <sup>-1</sup>
Grain size:	≤ 3 mm

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"