# Agroperl®-G (coarse)

(neutral *Agrar-Europerl*® Type **K1**: for water storage and drainage)

**1** **optimizes** air-water ratio

**2** **moistens** and **aerates**

**3** **reduces** transplant shock

**4** **natural** long-term soil improvement material

**5** **ecologically-friendly** and **healthy**

**6** **long-lasting**, **pest-resistant**

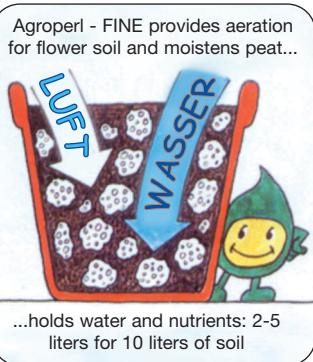**granular natural product:** **no** fibers , **no** chemicals

## especially for:

✓ **heavy soils**

✓ **storage and drainage layers**
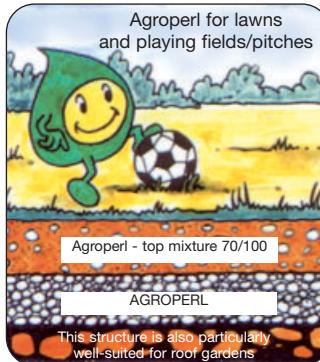
✓ **wet climates**
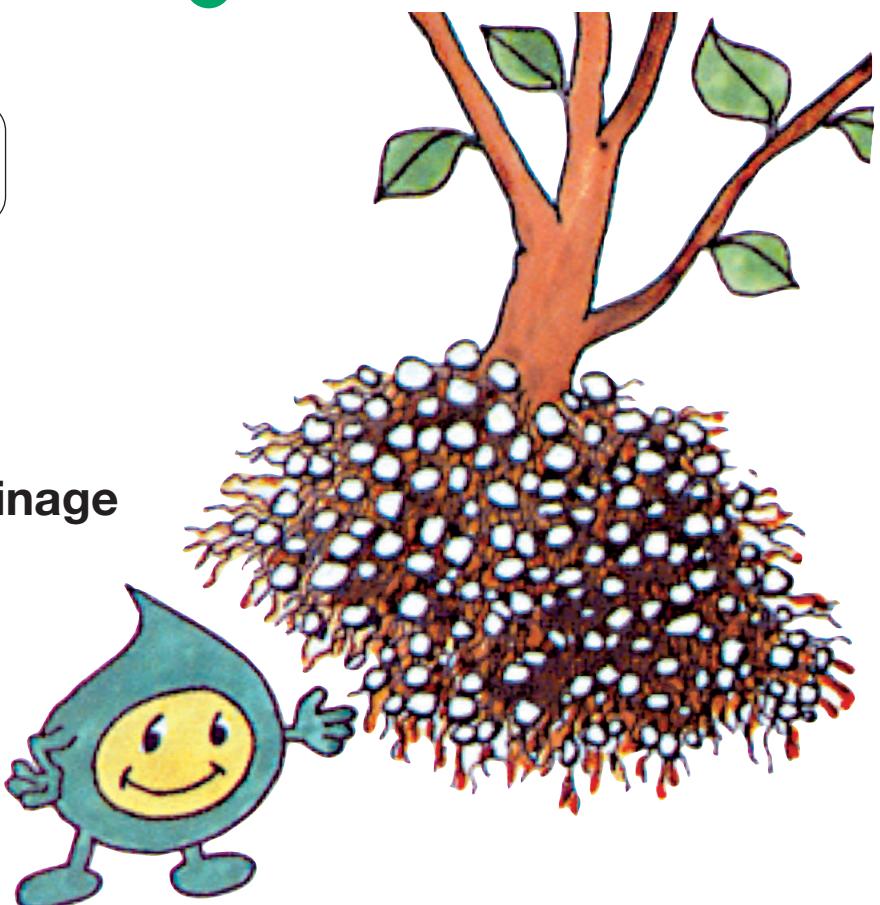
**Agroperl**® is **open-pore** vulcanic rock: designed as a **physical** soil enhancer and **neutral** growing medium for creating an **optimal soil climate**.
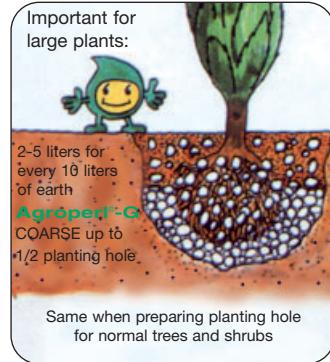
### Pots and Containers

Agroperl - FINE provides aeration for flower soil and moistens peat...

LUFT

WASSER

...holds water and nutrients: 2-5 liters for 10 liters of soil

**promotes growth** through proper **air : water** ratio

### Lawns and Roof Gardens

Agroperl for lawns and playing fields/pitches

Agroperl - top mixture 70/100

AGROPERL

This structure is also particularly well-suited for roof gardens

**drains and stores**

### Planting Holes

Important for large plants:

2-5 liters for every 10 liters of earth

Agroperl®-G COARSE up to 1/2 planting hole

Same when preparing planting hole for normal trees and shrubs
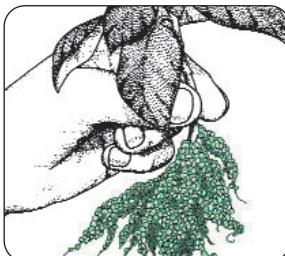
**Agroperl®-G** is especially suited for heavy soils

# Using Agroperl®-G

Especially suited **for aeration and drainage** (along with storage), such as with heavy or wet soils, hard-stem bushes, plants with large air requirements (see **Agroperl®-F** for opposite requirements)

## Rooting

Ideal promotion of fine-root growth with
**spray mist propagation**
**propagation beds**
and **houses**
pure (**100** % **Agroperl®-G** by vol.)
or mixed with soil, peat etc.
(**50 - 80** % **Agroperl®-G** by vol.)

## Soil Enhancement

**outdoor areas**:    for **medium** soils
                     for **heavy** soils
                     prior to **planting**
when **resodding**   **playing fields/pitches**
                     **residental lawns**
                     **golf courses**
work in **30 - 80** l/m²/**10 - 20** cm
or mix with soil, peat, etc.
**30 - 80** % **Agroperl®-G** by vol.
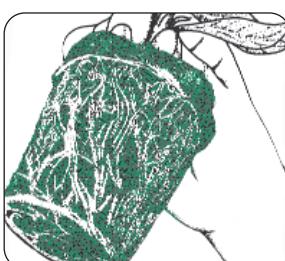
## Substrates, Plant Soils

for plants with increased air need and sensitivity to standing water, such as orchids, cacti, ferns, and bonsais
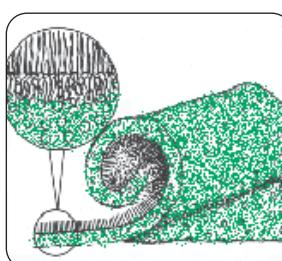**30 - 80** % **Agroperl®-G** by vol.
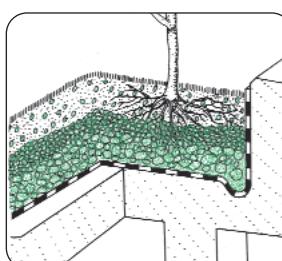
## Roof Gardens
## Substrates and Overlays

Optimizes:    **water storage**
              **drainage**
              **weight reduction**
              **insulation**
**30 - 70** % **Agroperl®-G** by vol.
Optionally under filter liner
**5 - 20** cm pure **Agroperl®-G**
as storage and drainage layer.
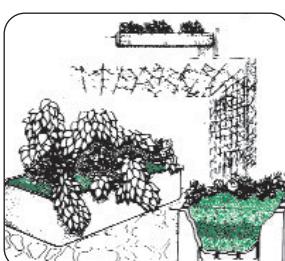
## Planters, Tub Plants

provides: **low weight,**
          **good growth**
prevents: loss of substrate.
Use **30 - 80** % by vol.
**Agroperl®-G** in the plant substrate. Storage and drainage layer (approx 1/3 of height) of pure **Agroperl®-G** optional.

## Lawns and Turf

increases air volume and water storage:
              **healthier, more secure lawn**
              **increased life**
              **low maintenance costs**
Soil preparation:
work in **30 - 80** l/m²/**10 - 20** cm for lawn base and top dressing,
mixed with soil, peat, etc. **20 - 70** %
**Agroperl®-G** by vol.
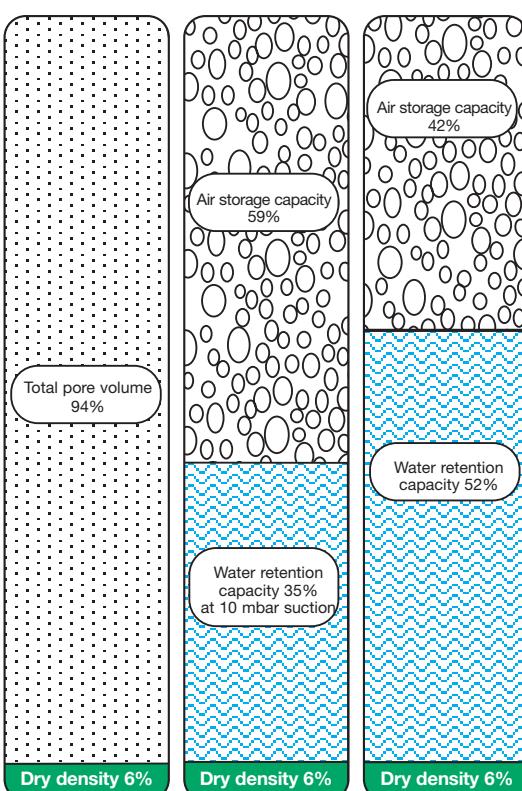
**Note:** Moisten well when using (30-40 l / bag).
When wetting, keep greater water retention capacity in mind.

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

Air storage capacity
42%

Air storage capacity
59%

Total pore volume
94%

Water retention capacity 52%

Water retention capacity 35% at 10 mbar suction

**Dry density 6%**    **Dry density 6%**    **Dry density 6%**

# Technical Data

| | |
|---|---|
| Infiltration rate: | high  (60-90 cm/h) * |
| Water storage: | approx. 52 % by vol. |
| Water retention capacity: | approx. 35 % by vol. (at 10 mbar suction) |
| Air storage capacity: | approx. 59 % by vol. |
| Total pore volume: | approx. 94 % by vol. |
| Dry density: | approx.   6 % by vol. = approx.   90 kg/m³ |
| Weight wet (saturated): | approx. 52 % by vol. = approx. 600 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.) |
| Temperature resistance: | up to 800 °C, brief periods up to 1200 °C |
| Conductance: | approx. 0,23 mS cm-1 |
| Grain size: | ≤ 6 mm |

EAi-AG-G-e (10.1)