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# PRODUCT TECHNICAL DATA SHEET

## PRODUCER:

### ARTAGRO POLSKA

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Product name: **AGROAQUAGEL-G**

## Product description:

Cross-linked potassium polyacrylate, hydrogel-superabsorbent

- colour: white to brown
- humidity: 10-15%
- demineralized water absorption: over 450 g/g
- absorption rate: 6-8 h
- granulation: 5-80 (mesh)
- up to 5 years durability in soil
- complete biodegradation: after 10 years
- pH 6-8

## Application:

Water absorbent that increases water retention in soil. Applied to soil or growing media destined for plant cultivation.

The described method of use applies to dry hydrogel, is approximate, and should be modified based on soil type, requirements of specific plants, and climate conditions. Once dry hydrogel has been applied to soil or growing medium, they should be watered abundantly in order to obtain an optimum required moisture content. In practice, it is recommended to wait until the next day and then verify soil moisture content.

Suggested method of use of AgroAquaGel-G

- Substrates and potting soils: 0.6kg-1kg/m<sup>3</sup>
- In soil: 75g-250g/m<sup>2</sup> mixed with soil at a depth of 25cm
- In rows of plants: 12g-40g per 10m row length with a planting distance of 5 cm
- In planting holes: 0.75g-4g per 1 plant /based on plant size and root system/
- For lawn turf production: 12g-50g/m<sup>2</sup> at a depth of 10cm

## Specific properties:

After being applied hydrogels must be abundantly hydrated (watered). Watering should be repeated on the day following application; it is recommended to use hydrogels before expected rainfall or in autumn during cultivation. 90% of the water stored in hydrogel is available to plants. During extended periods of draught (two-three weeks) performing a repeat watering is indicated.

## Storage:

Hydrogel must be stored in closed packages in a dry place. The sorptive qualities of hydrogel will not be affected in case of some moisture penetration and clumping; however, this may render its application more difficult.

**Safety measures:**

The product is non-toxic. In case of contact with mouth or eyes rinse with plenty of water.

**Shelf life:**

If properly stored, the product is durable.

Detailed product information included in the product safety sheet may be obtained from the producer.

**Product is certified by the Polish National Institute of Public Health**

**Technical consultation:**

Product data sheet does not allow to include all product details regarding its use and effects. In case of any doubts please contact with the producer. We will gladly provide you with advice and answer all your questions regarding the product and its applications.