

- Specification Sheet -

HYDROFILO

HYDROFILO is a superabsorbent polymer formulated in water soluble powder. When applied and incorporated in the soil or in any substrate it absorbs and retains large amounts of water (up to 500 times its weight). **HYDROFILO** is the result of the chemical union of many copolymers of acrylamide and potassium acrylate and is being produced especially for the improvement of the water management by the plants. This environmentally safe product works by absorbing and storing water and nutrients in an aqueous gel formed by spherical particles which are capable of attributing the retained moisture according to the needs of the plant.

PROPERTIES AND USES:

- Increases the water holding capacity of soils and as a consequence irrigation frequency is reduced by up to 50%.
- Improves the physical properties of the soil through good aeration which is achieved by the constant swelling and shrinking of the spherical particles of HydroFilo. As a result there is an increase of the soil pores.
- Enhances plant growth since water and nutrient uptake is optimized.
- Limits losses of water and nutrients due to leaching and evaporation and also restricts the use of fertilizers.
- Protects the environment against drought and groundwater pollution.

APPLICATION:

HYDROFILO is efficient for hanging baskets, ornamental gardens, lawns, flowerbeds, parks, trees, bushes and horticulture. The general application rate of **HYDROFILO** is 1-3 g per liter of soil or substrate. It is necessary to ensure a good mixing and a full incorporation of **HYDROFILO** in the soil (by hoeing or sowing) and water liberally right after application to allow the product to activate.

STANDARD ANALYSIS

(w/w)

Anionic acrylic polymer

PHYSICAL PROPERTIES:

Appearance: Off-white beads
Density: 0.8 g/cm³
Solubility:
pH (in a solution 1%): 6.0