

TECHNICAL DATA SHEET

ISONEM SOIL WATER TRAP

(Soil Water Trap)

Product Description

SOIL WATER TRAP, It is easy to use, superb water absorber (can absorb water up to 600 times its volume) soil additive. It is a polymer manufactured especially for frequently irrigated and high water consumption locations, gardens, glasshouses, and landscaping works. With this polymer that holds rain and irrigation waters in its body and absorb 600 times of its volume, the water is held before it drains off the soil and constitutes a natural and long term water tank base for plants and trees.

Features

- It is mineral-based and one component.
- 1 g has the capacity to hold 600 times water.
- When water enters it expands and becomes a gel.
- It stays in the soil actively for approximately 4 years
- The water absorption speed is about an hour.
- Watering time is about 1 hour.
- It does not freeze until -60°C.
- Application depth is between 7 cm -1 m.
- It decomposes in the soil at a rate of %10 - 15 per year.
- Once its job in the soil is done it returns to nature.

Advantages

- Increases soil porosity and reduces soil incrustation.
- Keeps the soil humid at all times.
- Reduces the evaporation of the water in the soil.
- It reforms the soil structure and prevents erosion.
- Protects surface and underground waters from pollution.
- Provides plant growth in very hot and dry climates.
- Reduces irrigation, worker, fertilizer and seed costs.
- Provides %50-%70 savings in water consumption.
- Prevents the damage caused by over-fertilization.
- Reduces fertilizer consumption by %50.
- Seasonal conditions are not required for forestation.
- Prevents the death of sprigs and seeds under the soil during winter. (-60°C).
- Protects the environment.

Usage Areas

- Sapling planting, seedling production
- Application on existing trees
- Strawberry production, melon, watermelon, gourd applications
- Field agriculture (Grains, beet, corn, cotton, sunflower, potato, beans, etc.)
- Grassland and landscaping applications
- Floriculture
- Pot floristry, clover, and feed plants applications
- Mushroom production and a root dipping method

Application Conditions / Limitations

Product consumption	:	3 g/root 8-10 g/root 5 kg/1000 m ² 40 kg/1000 m ² 600 g/m ³ 60 g/mt 1,5 g for 5 L 35 g/mt	strawberries melon-watermelon plantation agriculture clover and feed mushroom length floriculture pot plants length grapery and olive
Application temperature (°C)	:	(-60) – (+70)°C	

Things to consider during and after the application: Application depth is between 7 cm - 1 m.

IMPORTANT

It should be used under the ground, the product does not have UV resistance on the ground.

Packaging & Storage

Packaging	:	1 kg or 5 kg PP Bucket
Storage temperature (°C)	:	5 - 35 °C
Shelf life	:	24 months from date of production if stored in original, unopened, undamaged packages.
Storage condition	:	Store tightly closed in a dry and cool place.

Cleaning of Tools

Clean all tools and application equipment with clean water immediately after use.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

