

# Pond Sealer

## SODIUM BENTONITE POND SEALANT



### DESCRIPTION

**Pond Sealer** is a high swelling chemically unaltered sodium bentonite that contains no additives. It is an economical way to accomplish pond and lake sealing to reduce seepage losses. Sodium bentonite is a natural clay which has the characteristic of swelling many times its dry size when it becomes wet. When bentonite is applied in a layer over porous soil or mixed with a porous soil, and then, moistened with water, it forms an impermeable layer. Bentonite does not affect the water or the wildlife.

### APPLICATION

**Pond Sealer** can be applied directly to the soil in the bottom of the lake or pond. If conditions necessitate sprinkling the bentonite through water, to the bottom, we recommend using Granular Seal, which contains no powder. Treatment is usually more effective if the bentonite is applied directly to the soil. The sprinkle method is recommended only when it is impractical to drain the water from the area to be treated.

<u>Soil Type</u>	<u>lbs per ft<sup>2</sup></u>
Clay	2
Sandy Silt	3.0
Silty Sand	3.0
Clean Sand	4.0
Rock or Gravel	5.0

- Add a pound if deeper than 8 ft, 2# if deeper than 16ft and so on...

### PACKAGING

Available in 50 lb polyethylene bags, 3,000 lbs bulk bags and bulk loads.

**PERMEABILITY**  $1.9 \times 10^{-9}$  cm/sec

### CHEMICAL ANALYSIS

SiO <sub>2</sub>	66.60	%
Al <sub>2</sub> O <sub>3</sub>	17.60	%
Fe <sub>2</sub> O <sub>3</sub>	3.67	%
CaO	0.57	%
MgO	1.80	%
Na <sub>2</sub> O	2.50	%
K <sub>2</sub> O	0.31	%
Bound Water	6.51	%
Moisture at 20°F	0.14	%

### X-RAY ANALYSIS

Montmorillonite	85	%
Quartz	5	%
Feldspars	5	%
Cristobalite	2	%
Illite	2	%
Calcium & Gypsum	1	%

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