



## GENERAL DESCRIPTION

Hydrotech Lightweight Aggregate is an expanded, lightweight ceramic aggregate (i.e., expanded shale, clay, slate).

## BASIC USE

Hydrotech Lightweight Aggregate is also be used to fill the cups of Hydrotech's Floradrain elements, as required, to enhance available water holding capacity for plant root systems and to increase compressive strength.

## TECHNICAL SPECIFICATIONS

| PROPERTY                                  | UNITS       | REFERENCE VALUES |
|---|-------------|------------------|
| <b>Grain Size Distribution</b>            |             |                  |
| clay fraction                             | -           | < 1%             |
| % passing #18 sieve                       | -           | 1-3%             |
| % passing 1/4-inch sieve                  | -           | 10-30%           |
| % passing 3/8-inch sieve                  | -           | 90-100%          |
| <b>Density</b>                            |             |                  |
| Saturated Density                         | lbs/cf      | < 60             |
| Dry Density                               | lbs/cf      | < 50             |
| <b>Saturated Hydraulic Conductivity</b>   | Inch/minute | > 15             |
| <b>pH, Lime, and Salt Content</b>         |             |                  |
| pH (in CaCl <sub>2</sub> )                |             | 6.0 - 8.5        |
| carbonate content                         | g/l         | <25              |
| salts content (water extract)             | g/l         | <2.5             |
| <b>Organics</b>                           |             |                  |
| OM content                                | mass %      | < 1              |
| <b>Abrasion Resistance (ASTM-C131-96)</b> | n/a         | < 25% loss       |
| <b>Soundness (ASTM-C88)</b>               | n/a         | < 0.50% loss     |