



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 Gardendrain elements, as required, to enhance available water holding capacity for plant root systems and to increase compressive strength.

TECHNICAL SPECIFICATIONS

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