



TECHNICAL INFORMATION



TD-16®

Description: TD-16® is a one-step coated granular bentonite grouting material for use in sealing water wells, geotechnical borings and heat pump applications.

Typical Characteristics:	Bulk Density (lbs./ft³):	65
	Cation Exchange Capacity (CEC meq(100gm):	70 – 90
	Color:	Light Grey to Tan
	Moisture Content (%):	5 – 12
	Permeability (cm/sec):	1 X 10 ⁻⁸
	pH:	7.0 – 8.9
	Sieve Analysis (% Retained on #20 Sieve):	>92
	Specific Gravity:	2.55 ± 0.1
	Surface Area (m²/gm):	External Surface – 82 All Surfaces - 800
	Thermal Conductivity (Btu/hr-ft-°F):	0.42

Typical Chemical Analysis:	%
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
H ₂ O	7.75
Other	.07
L.O.I.	4.37

E.P.A Toxicity Analysis:	E.P.A Standard (ppm)	Typical Analysis (ppm)
Arsenic	5.0	<0.1
Barium	100.0	0.5
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.1
Mercury	0.2	<0.02
Selenium	1.0	<0.05
Silver	5.0	<0.1

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