

ZERO VALENT IRON (ZVI)

High-quality, precision-sized zero valent iron for contamination treatment

Zero Valent Iron (ZVI) is used as an in-situ reductant to treat soil and groundwater contamination. Our product is furnace dried to remove any undesirable oils, separated to remove any non-ferrous contaminants, and mechanically ground for precision sizing to meet or exceed your specifications.



High-Durability



Sustainable



Contaminants
treatment



USERS BENEFITS

#1 Eco-friendly

ZVI is manufactured from 100% recycled cast iron material.

#2 Durability and efficiency

ZVI aggregate is a safe, sustainable and long-term treatment solution lasting between 2-10 years, depending on site conditions.

#3 Reliability

ZVI minimizes the production of harmful daughter products dichloroethane (DCE) and vinyl chloride (VC).

MARKETS AND APPLICATIONS

- Direct Push Injection (DPT)
- Pneumatic Fracturing
- Hydraulic Fracturing
- Soil Mixing, Permeable Reactive Barriers (PRBs)

ZVI 14D



ZVI 8/50D



ZVI 50D



SPECIFICATIONS

	Typical Bulk Density	Screen Size	Opening (mm)	Micron range (inches)	% Passing	Application
ZERO VALENT IRON (ZVI) AGGREGATE 14D	165-215 pounds per cubic foot	8	2,36	0.0937	100	Direct Push Injection (DPT)
		16	1,18	0.0469	95-100	
		30	0,60	0.0234	55-95	
		50	0,30	0.0117	15-80	
		120	0,125	0.0049	0-20	
		200	0,075	0.0029	0-6	
ZERO VALENT IRON (ZVI) AGGREGATE 8/50D	150 pounds per cubic foot	4	4,76	0.187	100	Direct Push Injection (DPT), Pneumatic Fracturing, Hydraulic Fracturing
		8	2,36	0.0937	95-100	
		16	1,18	0.0469	75-98	
		30	0,60	0.0234	30-58	
		50	0,30	0.0117	2-19	
		100	0,14	0.0059	0-7	
ZERO VALENT IRON (ZVI) AGGREGATE 50D	145-195 pounds per cubic foot	40	0,42	0.0165	100	Soil Mixing, Permeable Reactive Barriers (PRBs)
		50	0,30	0.0117	0-3	
		80	0,17	0.0070	14	
		100	0,14	0.0059	10	
		200	0,075	0.0029	29	
		325	0,044	0.0017	18	

