



## CleanER™ – 200

CleanER zero valent iron (ZVI) powders are manufactured specifically for the environmental market. This innovative product line of ZVI is manufactured using cutting-edge powder metallurgical technologies.

CleanER-200 is an enhanced atomized ZVI media for use in fracking, soil blending, and permeable reactive barrier (PRB) applications. It is the perfect balance of density, surface area, and porosity to extend reactivity and hydrogen production in ISCR applications.

### Atomized iron vs Conventional iron

- No on-site acid wash required
- 400% Greater surface area
- >98% Iron content
- No metal, oil, or grease contamination

**For more information on CleanER and other Höganäs products, please contact your local sales representative.**

#### Höganäs Environment Solutions

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**Höganäs** 

## Lower treatment costs with CleanER™

- Customized reactivity and longevity
- Highest quality product on the market
- Specialized packaging
- Full delivery logistics and flexibility
- Largest product portfolio: 5 – 2000 µm

## Target contaminants

- Chlorinated and halogenated compounds
- Heavy metals:
  - Selenium, chromium, lead, arsenic, etc.
- Radionuclides

## Remedial applications

- High pressure soil injection
- Catalyst for ISCO injection or blending
- Synergistic enhanced biotic degradation
- Soil blending
- Permeable reactive zones

## Standard packaging

- 1 MT Super Sack
- Sand & ZVI blends
- Special packaging available



## CleanER-200 general information

Sieve	Opening Size (mm)	Percent Passing
#20	0.850	100
#45	0.355	98-100
#50	0.300	97-100
#60	0.250	95-100
#80	0.175	15-25
#100	0.150	0.0-5
#170	0.090	0.0-5
#200	0.075	0.0-1
#325	0.045	0.0-1

## Superior purity

Parameter	Typical Value
Carbon	<0.01%
Sulphur	<0.02%
Phosphorous	<0.02%
Oxygen	<0.20%
Iron Content	<98%
Apparent Density	2.7-3.1 g/cc
D50	180-200 µm

Specifications subject to change without notice