



CleanER™ – 45

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-45 is a highly reactive atomized ZVI which has been specifically developed for optimum particle size to surface area ratio for blending and injection applications.

Atomized iron vs conventional iron

- No on-site acid wash required
- 400% -1000% greater surface area
- >99% Iron purity
- 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
- 25 kg Bag
- Special packaging available



CleanER-45 general information

Sieve	Opening Size (mm)	Percent Passing
#100	0.150	99-100
#170	0.090	99-100
#200	0.075	99-100
#325	0.045	20-30

Superior purity

Parameter	Typical Value
Carbon	<0.01%
Oxygen	<0.13%
Iron Content	>99%
Apparent Density	2.8-3.0 g/cc
D50	40-50 µm

Specifications subject to change without notice