



## CleanER™ – PRB

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-PRB is a sponge-iron ZVI media specifically developed for permeable reactive barrier (PRB) in situ chemical reduction (ISCR) projects. This highly reactive, 99% pure-iron media provides extremely high porosity and permeability to ensure the best balance of conductivity and reactive longevity in soil and groundwater remediation applications.

### Sponge iron vs conventional iron

- Eliminates on-site acid wash
- 400% greater surface area
- >99% iron purity
- No oil, grease or metal contamination
- Produced directly from iron ore

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

#### **Höganäs Environment Solutions**

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## 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 – 2,000 µm

## Target contaminants

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

## Remedial applications

- Synergistic enhanced biotic degradation
- Soil blending
- Permeable reactive barrier

## Standard packaging

- 500 kg Super Sack

## CleanER-PRB general information

Sieve	Opening Size (mm)	Percent Passing
#4	4.750	100
#8	2.360	100
#16	1.180	75-90
#30	0.600	25-45
#50	0.300	0-10
#100	0.150	0-5

## Superior purity

Parameter	Typical Value
Aluminum	<0.09%
Arsenic	<0.003%
Cadmium	<0.00%
Chromium	<0.00%
Lead	<0.0003%
Nickel	<0.02%
Maganese	<0.054%
Iron Content	>98%
Apparent Density	1.4-1.6 g/cc
D50	800-1000 µm

Specifications subject to change without notice