

## -325 MESH ZERO VALENT IRON

CAP Remediation offers high-quality zero valent iron in three off-the-shelf grades as well as the ability to customize particle sizes for in situ remediation projects.

Our zero valent iron is created from carefully vetted sources of cast iron and utilizes a proprietary method to pulverize the iron to exacting mesh sizes. All stages of production are subject to quality assurance testing to ensure that the highest quality standards are maintained.

CAP Remediation’s zero valent iron can be used for many ISCR remediation projects, including injection, auger placement, or permeable reactive barrier walls and several grades are offered as emulsified ZVI.

Our -325 mesh, 44 micron zero valent iron is perfect for injection in a slurry. This ZVI has a highly consistent particle size, with greater than 98% of the iron particles at or below 44 microns, creating high surface area for greater reactivity.

### SPECIFICATIONS

|                      |   |  |
|----------------------|---|--|
| Contaminants Treated | <ul style="list-style-type: none"> <li>• Halogenated aliphatics (PCE, TCE, TCA)</li> <li>• Halogenated Aromatics</li> <li>• PCBs</li> </ul> | <ul style="list-style-type: none"> <li>• Nitroaromatics</li> <li>• Metals</li> <li>• Halogenated herbicides</li> </ul> |
| Grain Size           | Mesh: -325  | Micron: 44   |
| Reactivity           | Rate Constant – 0.601/day   | Surface Area – 5.15 m <sup>2</sup> /g  |
| Bulk Density         | 2.3 g/cm <sup>3</sup>   | 143.5 lb/ft <sup>3</sup>   |
| Packaging            | Drums/Buckets – 50 kg or 100 kg   | Super Sacks – 500 – 1000 kg  |

### PARTICLE SIZE DISTRIBUTION

|                    |               |
|--------------------|---------------|
| + 60 mesh (ISO/BS) | nil           |
| +325 mesh (ISO/BS) | nil to 2% max |
| -325 mesh (ISO/BS) | balance       |

### ASSAY

|         |         |
|---------|---------|
| Carbon  | ~ 1.8%  |
| Oxygen  | < 1%    |
| Silicon | ~ 1%    |
| Iron    | Balance |