

# ZERO VALENT IRON (ZVI)

— FOR SOIL AND WATER REMEDIATION

GMA Industries has over 35 years of experience manufacturing high-quality Zero-Valent Iron (ZVI), an effective, economical, and environmentally friendly solution for soil and water remediation. Made from 100% recycled virgin cast iron, our ZVI is perfect for industrial, commercial, and environmental applications, helping to clean up contaminated soil and groundwater. Plus, it offers an average of 15% lower cost compared to competitors, all while being proudly made in the USA.

## MANUFACTURING PROCESS

Our ZVI product is derived from trusted OEM manufacturers, and our process ensures optimal quality:

- Thermal treatment to remove residual oils
- Air washing to cleanse surface particles
- Magnetic separation to eliminate non-iron contaminants
- Multiple screenings for consistent particle size

## APPLICATIONS

Our ZVI is proven to remediate various pollutants such as:

- Chlorinated solvents (TCE, PCE)
- Selenium, arsenic, lead, mercury
- Other industrial and environmental contaminants

By mixing granular iron with other ingredients, ZVI can treat polluted areas on-site, neutralizing contaminants commonly found in industrial, military, and mining sites. When used in permeable reactive barriers (PRBs), our ZVI reacts with VOCs in groundwater, leaving clean water behind.

## PROVEN PERFORMANCE

Over the past 10 years, GMA has supplied over 10,000 tons of ZVI grade iron used in major remediation projects across the US. Trusted for its cost-effectiveness, quality, and results, GMA's ZVI is the top choice for government and private sector projects.

## AVAILABLE SIZES ● (Custom sizes are available upon request.)

COARSE			MEDIUM			FINE		
<b>ALL PASS</b>	#35 Mesh	500 micron	<b>ALL PASS</b>	#50 Mesh	300 micron	<b>ALL PASS</b>	#170 Mesh	90 micron
<b>25% MAX</b>	#50 Mesh	300 micron	<b>25% MAX</b>	#80 Mesh	175 micron	<b>15% MAX</b>	#200 Mesh	75 micron
<b>80% MIN</b>	#120 Mesh	125 micron	<b>80% MIN</b>	#170 Mesh	90 micron	<b>85% MIN</b>	-#200 Mesh	75 micron
<b>BALANCE</b>	---	---	<b>BALANCE</b>	---	---	---	---	---

## CHEMICAL COMPOSITION

Carbon: 1.2% max | Silicon: 0.4% min | Sulfur: 0.05% max | Phosphorus: 0.05% max | Iron: 96% min