

FERROLOX®

ONLY IRON HYDROXIDE MEDIA

IN WATER TREATMENT

🌿 PURE. POWERFUL. PROVEN. 🌿

The Most Powerful Natural Solution for Clean, Safe & Healthy Water

FERROLOX® is a premium Iron Hydroxide media ($\text{Fe}(\text{OH})_3$) with an amorphous structure and high porosity, delivering unmatched adsorption & oxidation performance. It is the **ONLY** Iron Hydroxide Media specifically engineered for drinking water and industrial water treatment.



AMORPHOUS $\text{Fe}(\text{OH})_3$

- ✓ $\text{Fe}(\text{OH})_3 \geq 75\%$
- ✓ HIGH SURFACE AREA
290 m^2/g
- ✓ BULK DENSITY
~ 0.75 g/cm^3



EFFECTIVELY REMOVES A WIDE RANGE OF CONTAMINANTS



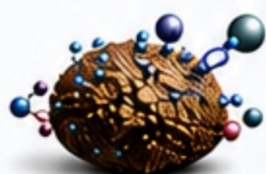
UNPARALLELED HEAVY METAL REMOVAL ✓

WHY CHOOSE FERROLOX®?

- ✓ High adsorption & oxidation capacity
- ✓ Removes arsenic, phosphate, chloride, heavy metals & sulfide
- ✓ Long lasting & cost effective
- ✓ Low pressure drop & high flow capacity
- ✓ Environmentally friendly
- ✓ Regenerable & sustainable
- ✓ Safe, natural & non-toxic

**ECO
FRIENDLY
NATURAL
SOLUTION**

ADVANCED ADSORPTION & OXIDATION MECHANISM



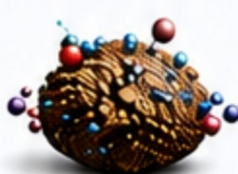
1 ADSORPTION

Contaminants are adsorbed on the surface of FERROLOX®



2 CONVERSION

Chemical conversion to stable ferric compounds



3 REMOVAL

Contaminants are locked in & removed from the water

WIDE RANGE OF APPLICATIONS



DRINKING
WATER



GROUND
WATER



SURFACE
WATER



INDUSTRIAL
WATER



WASTE
WATER



REVERSE
OSMOSIS

TYPICAL PHYSICAL PROPERTIES

Chemical Formula	$\text{Fe}(\text{OH})_3$
Iron Hydroxide ($\text{Fe}(\text{OH})_3$)	$\geq 75\%$
Specific Surface Area	290 m^2/g
Bulk Density	~ 0.75 g/cm^3
Particle Size	0.6 - 1.8 mm (Other sizes available)
Color	Brown
Appearance	Granular
pH Range (Operation)	5.5 - 9.0
Max. Operating Temperature	60 °C



DESIGNED FOR
UPFLOW &
DOWNFLOW
SYSTEMS



SINGLE OR MULTIPLE
PRESSURE VESSELS

SYSTEM BENEFITS

- ✓ Provides safe & healthy drinking water
- ✓ Protects membranes & equipment
- ✓ Reduces chemical consumption
- ✓ Lower operating & maintenance costs
- ✓ Proven performance in thousands of installations worldwide



FILTRATION



ADSORPTION



INSTANT PRODUCTS



OXY TREATMENT



SYSTEMS

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**WATCH
ER
WATCH WATER**

a Water Company