



## Iron Oxide II P (Pyrolox) PRODUCT DATA SHEET

A naturally mined ore, Eaglesorb Iron Blend II is a mineral form of manganese dioxide which has been used in water treatment for more than 75 years. Eaglesorb Iron Blend II is a granular filtration media for hydrogen sulfide, iron and manganese reduction. Eaglesorb Iron Blend II functions as a catalyst, but it remains relatively unchanged. Eaglesorb Iron Blend II works on a principle whereby the hydrogen sulfide, iron and manganese are oxidized and trapped on the media while simple backwashing cleans the bed. No chemical regeneration is required, nothing is imparted into the drinking water and Eaglesorb Iron Blend II has a high capacity for low contaminant concentrations. Eaglesorb Iron Blend II can be used in conjunction with aeration, chlorination, ozone or other pretreatment methods for difficult applications. Chlorine or other oxidants accelerate the catalytic reaction.

**Because of its heavy weight, it is very important that Eaglesorb Iron Blend II filters are backwashed properly to insure adequate bed expansion and continued service life.**

### Advantages:

- Effective reduction of iron, sulfur and manganese
- Durable material with long service life and low annual attrition of bed
- No chemical regeneration required, only periodic backwashing

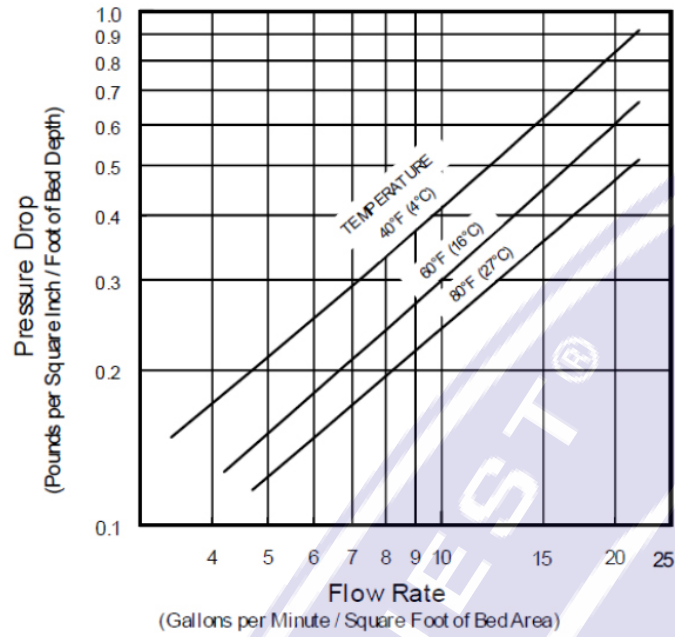
### Physical Properties

<b>Color:</b>	Black
<b>Bulk Density:</b>	125 lbs./cu. ft.
<b>Mesh Size:</b>	8 x 20
<b>Effective Size:</b>	0.51 mm
<b>Uniformity Coefficient:</b>	1.7
<b>Specific Gravity:</b>	3.8

### Conditions for Operation:

<b>pH:</b>	6.5-9.0
<b>Bed depth:</b>	application dependent
<b>Backwash flow rate:</b>	25-30 gpm per sq. ft.
<b>Backwash expansion:</b>	15-30% of bed depth
<b>Service flow rate:</b>	5gpm/ sq. ft.
<b>Freeboard:</b>	40% of bed depth (min.)

### Service Flow Pressure Drop



### Backwash Bed Expansion

