

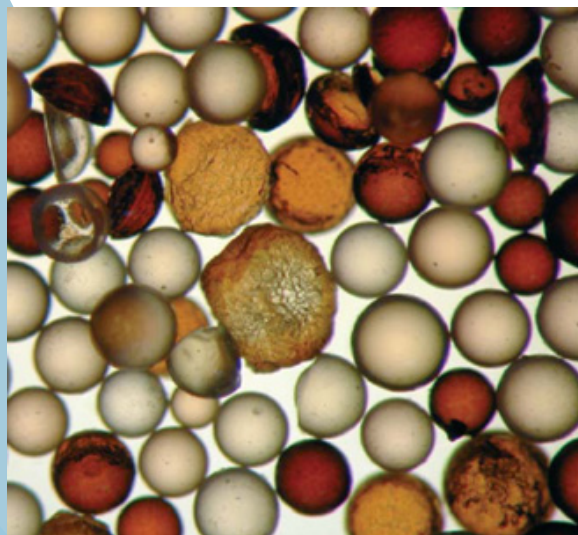
IRON-MIX



FILTRATION

IRON-MIX

- 💧 **IRON-MIX** is a granular filtration media used for the reduction of natural organic matters, hardness, iron, manganese and ammonia.
- 💧 The action of **IRON-MIX** is independent from the pH, anionic salinity and the presence of chlorine.
- 💧 **IRON-MIX** is a homogeneous mixture of 5 ion exchanging resins and natural and synthetic adsorption supports.
- 💧 **IRON-MIX** is used as an ion exchanging resin and is regenerated by sodium chloride (NaCl).
- 💧 In order to calculate the exchange capacity, only water hardness (TH) is taken into account.



- 💧 Bulk Weight : 0,75 kg/l
- 💧 Packing : bags of 25 liters (18.00 kg)

APPLICATIONS

- Deferrisation & demanganisation of water supplies.
- Reduction of hydrogen sulfide.
- Drinking Waters.
- Industrial Waters.
- Pretreatment of osmose units or ion exchanging resins.

IRON-MIX

TECHNICAL DATA

LIMITS IN USE

IRON-MIX	Hardness TH in °F	Iron mg/l	Manganese mg/l	DCO mg/l	Ammonia mg/l	TDS mg/l
Raw Water	75	15	3	16	4	4000
Treated Water	<= 2	< 0.3	< 0.1	< 8	< 0.5	4000

OPERATING DATA

Température maximum	°C	40
pH	pH	5 to 9
Layer Height minimum	mm	500
Layer Height optimum	mm	800
Filtration Speed	m ³ /h/m ²	20 to 25
Backwash (15 to 20 min)	m ³ /h/m ²	13 to 15
Regeneration (45 to 65 min)	m ³ /h/m ²	3 to 5
Fast Rinse (15 to 20 min)	m ³ /h/m ²	20 to 25
Free Height	%	40
Regenerator (NaCl)	%	8 to 10
Regeneration Rate (NaCl)	g/l	>120

IRON-MIX after a backwash (stratification)

