

TerraMIX SORB A - aluminosilicate adsorbent produced on the basis of ecologically pure mineral raw material for water filtration.

Technical characteristics

- Bulk density: 460–490 kg / m³;
- Grain shape coefficient: 1.65–1.71;
- Fractions: 0.315–0.7mm; 0.7–1.4mm;
- Packing bag: 25 ltr / 11,75kg;

Application

- Removal of iron, manganese, chrome, heavy non-ferrous metals (copper, zinc, lead, nickel, cadmium, etc.);
- Removal of inert loadings;
- Fine treatment from oil products;



Advantages

- Minimum pressure losses in comparison with most filtering charging;
- Lower equipment cost and less area occupied due to high rates of flow in service conditions;
- High mud capacity of the charging resulting in more duration period of filter work by decreasing maintenance costs, water consumption used and service time;
- Light transporting weight;
- Providing an increase of mud filter capacity up to 100 % on replacing sand by the sorbent proper;
- Filter for iron removal is used to remove suspended particles of trivalent colloid iron, oxidation of bivalent iron in its trivalent form with its further removal;

Similar products

BIRM, GREENSAND, MTM, FILTER AG PLUS

TerraMIX SORB M - is a new generation filter media developed by the company's specialists and university of technology, which has no analogue in the world practice of water purification. It is an optimal, cost-effective solution for removing iron, manganese, oil products. Sorbent MS is recommended for use in both pressure and non-pressure systems, as the main or multilayer element of the loading layer.

Technical characteristics

- Bulk density: 1250–1300 kg / m³;
- Fractions: 0.315–0.7mm; 0.7–1.4mm;
- Packing bag: 25 ltr / 33,75kg

Application

- Removal of iron, manganese.

Similar products

BIRM, GREENSAND, MTM, FILTER AG PLUS



Advantages

- Long service life with low annual losses;
- Works with all types of oxidizing agents: ozone, sodium hypochlorite, etc.;
- Works in the presence of hydrogen sulfide;
- Works at pH less than 6.0;
- Increases the pH of the water to 2.5–3.0 units in the initial period of work;
- A decrease in the color index by filtration by 70–80% (auto-coagulation on sorbent grain);

TerraMIX SORB Z - is effective to use as a filter material in the after-treatment of wastewater from the nitrogen group. It is recommended for the preparation of drinking-quality water based on waters containing elevated concentrations of nitrogen compounds during iron removal and demanganization.

The chemical composition of zeolite

- Silicon - 67.5%
- Aluminum - 12%
- Calcium - 2.9%
- Potassium - 2.8%
- Iron - 1.27%
- Sodium - 1.0%
- Magnesium - 0.5%

Technical characteristics

- Bulk density: 1000 kg / m³;
- Fractions: 0.7-1.5 mm;
- Packing bag: 25 ltr / 25kg;

Application

Zeolite, like cationic type ion exchangers, are characterized by high ion-exchange selectivity for radioactive elements, sorption ability to heavy non-ferrous metals (lead, cadmium, etc.), barium, phenol, ammonium nitrogen, nitrates and nitrites, 3,4 benz (a) pyrene.



TerraMIX PREMIUM - light mixed media for removal of iron, manganese and oil products from water.

Technical characteristics

- Bulk density: 690-720 kg / m³;
- Fractions: 0.315–0.7mm; 0.7-1.4mm;
- Packing bag: 25 ltr / 17,25kg;

Application

- Removal of iron (II), (III) and manganese;
- Removal of oil products;

Similar products

BIRM, GREENSAND, MTM, FILTER AG PLUS

Advantages

- Minimum pressure losses in comparison with most filtering charging;
- Lower equipment cost and less area occupied due to high rates of flow in service conditions;
- Light transporting weight;
- Providing an increase of mud filter capacity up to 100 % on replacing sand by the sorbent proper;
- Filter for iron removal is used to remove suspended particles of trivalent colloid iron, oxidation of bivalent iron in its trivalent form with its further removal;

