

Saving river beds from contamination with cone tanks

Treatment of disused mine water is an ongoing technical, safety and costly environmental challenge.

Why is mine water such an issue?

Water pumps are removed whenever a coal mine closes and water levels recover within the mine. Naturally occurring minerals, suspended in the water flow, can contaminate riverbeds, stopping plant growth and affecting wildlife.

How can coal mine water be treated?

Enduramaxx designed a bespoke conical tank system allowing iron and minerals to mix with air and sink to the bottom of the tank. The controlled flow of water through the tanks allows the iron to settle and be removed as a sludge.

Bespoke solutions

Because Enduramaxx design, engineer and manufacture all tanks in the UK, we are able to provide bespoke solutions for all kinds of challenges brought to us for environmental, agricultural, chemical and industrial sectors - the removal of iron from the mine water using conical tanks being just one of them.

We also provide a vast range of tanks for everyday fluid management and storage solutions - from 50 litre dosing tanks to 30,000 litre sludge, water and rainwater harvesting tanks. Please get in touch for more information.



Mine Water - Scope:

- Mine water treatment containing high level so iron requiring settlement and additional feature for storing plastic media.
- Provide access and framework for storage tanks as well as overflow pipework from tank to tank.

Equipment:

- 6 x 6m³ open-top conical tanks manufactured from rotationally moulded polyethene.
- 1 x Galvanized Support Frame including access to the top of the tank.
- Internal pipework to weir over to the next tank
- Fabricated plastic grid for plastic media containment in the cone.

Key Benefits:

- Increased effectively of iron removal from water using plastic media using conical tanks.
- Ability to remove sludge from a low-level drain.
- Reducing the treatment of water with iron content

View our extensive range of tanks online: www.enduramaxx.co.uk

Enduramaxx is the UK's leading manufacturer of liquid storage products.

Manufactured in a single rotational mould provides exceptional value for money and performance;

- Stress and joint free tanks
- Corrosion, rust and impact resistance
- Suited to harsh environments
- Huge product range for agricultural, commercial, industrial and domestic schemes
- With UK manufacture, products can be custom made to client specifications
- You can always get expert advice on hand.

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Providing the highest levels of expertise, service, quality and safety.

ISO 9001, UKAS, WRAS & DWI accreditations, unsurpassed guarantees of quality and product provides total peace of mind when specifying, sourcing, and installing Enduramaxx products.



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FLUID MANAGEMENT INNOVATION