

Think Chemical Tank Think ENDURACHEM

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562810

While our vertical polyethylene storage tanks are made with high quality materials and manufactured to exacting standards, improper handling and installation can damage them or their fittings. Follow the guidelines listed on these pages to avoid problems.

Please Note: You may void your warranty if you do not handle and install your tanks properly.

Handling

When your tank is delivered, it should be inspected for damage before the delivery is accepted.

If problems of any kind are noted, you should contact us immediately on 01778 562810 so we can work with you to correct any problems as quickly as possible.

Extreme care should be taken when unloading your tank from our delivery lorry.

Please Note: Unless agreed prior to delivery our standard delivery vehicles do not have the facilities to unload your tank.

The tank should be unloaded onto a smooth surface that is free of rocks or other sharp objects that could cause damage. Be especially careful to guard against damage that can be caused by the blades on forklifts. The use of a crane is recommended to lift large tanks from the lorry.

When your tank is being unloaded, moved or installed, damage to tank fittings must be avoided.

Do not allow the weight of the tank to rest on any of the fittings and do not roll the tank over any of its fittings.

Warning: Tanks must only be lifted when empty.

Installation

It is very important that tanks are installed on a surface that is smooth, firm and supports the tank completely. In almost all circumstances, a reinforced concrete base is the best solution.

Even when a tank stand is used, the stand must be mounted on a solid base. Be sure to secure tanks and stands to guard against movement that could occur from wind, seismic activity, and motion of contents or other causes.

We recommend that your tank base is a minimum of 600mm (24") larger than the diameter of the tank and has a depth of:

- **102mm (4") for tanks up to 2,500 litres**
- **152mm (6") for tanks 4,000 litres to 10,000 litres**
- **204mm (8") for tanks over 10,000 litres**

Consider the location of the installation and be sure you have enough room to carry out any maintenance activities. Polyethylene tanks may contract or expand due to temperature changes, atmospheric conditions and the nature of the contents, proper planning is important regarding the space in which your tank is installed and the amount of material that is placed in them.

You should consider the work activities that will take place in the vicinity of the tank and take precaution against accidental contact with the tank. Impact with the tank, especially at low temperatures, may result in tank failure.

Certain tanks require support of the sides to avoid structural failure. Be aware of the properties of your tanks and the properties of the contents they will hold.

Your tank is not designed to support the weight of machinery, equipment or any heavy load. Do not mount items like this on the top of the tank or on its fittings.

If it is necessary for workers to enter the tank, great care should be taken to guard against asphyxiation or breathing of hazardous vapors and fumes.

Fittings and Accessories

Be aware of the type of fittings used on your tank. Hand tighten plastic bulkhead fittings. If they are over-tightened, the fittings may leak.

It is important that fittings, valves, pipes and other accessories are fully supported. Fittings and tank attachments should not carry any weight.

All rotationally moulded tanks will expand and contract as they are filled and emptied. The connection between any fixed pipework and the tank (or tank outlet) must allow for this movement.

Where the tank is fitted with welded feet to enable the tank to be secured to the ground, the fixing method between the feet and the ground should allow for both vertical and horizontal movement.

Care must be taken with the installation of accessories. Consult the documentation for the accessory for more detailed installation information.

Tank Use

Use your tank only for the purpose for which it was created. Do not apply contents under pressure or create a vacuum unless the tank is specifically rated for that use.

Make sure that the materials you store in the tank are appropriate for the properties of the tank, fittings, gaskets and accessories.

Before Placing the Tank into Use:

Test your installation by filling the tank with water before you put the unit into use. Verify the integrity of the tank and its fittings.



ENDURACHEM

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Need more information?
Call our product helpline on 01778 562810