

PipeSak[®] Buoyancy Control System VS Concrete Coated Pipe

When compared to concrete coating, PipeSak[®] has many advantages – not only environmental but economic as well!



As an example;

Assume a 24" (610 mm) OD pipeline with a wall thickness of 0.325" (8.3 mm) requires one PipeSak every 15.8' (4.8 meters). The thickness of concrete coating for equivalent buoyancy control would be 3.6" (91 mm).

With 3.6" of concrete coating, the pipe to be handled is now **4 times heavier** – directly influencing overall project costs! Even **if** the direct purchase price is comparable, it is the **Total Installed Cost** that should be considered when comparing different methods of buoyancy control.

With concrete coated pipe the **trucking costs** are higher; **equipment costs** are higher (more side booms are required to handle the heavy pipe); **welding costs** increase (many more in-trench welds); joints require some form of additional support following welding; etc. – **the whole construction process is slowed-down**. These additional costs (as much as 6 times) are often 'hidden' and can be difficult to quantify, but you can be sure that they are included when only concrete coated pipe is specified.

Concrete coating certainly has its place, but using it for onshore applications has been an expensive option for the pipeline industry.

The use of concrete coated pipe should be limited to situations where a weighted pipeline must be *dragged* into place. We believe the industry *evolved* to using concrete coating as extensively as it does today because there were no apparent alternatives to concrete set-on weights. *There is now!*



PipeSaks are set on the pipeline *following* its placement in the trench!
The pipe is hauled to site, welded and lowered-in **as usual**.

With PipeSak® you get a product that will... **never biodegrade**; use **local, natural gravel** as ballast; be **soft on the pipe** and the coating; limit any **shielding** of the cathodic protection system; **save the project \$\$\$'s**.

Give PipeSak® a try on your next pipeline project



If, for example, the construction plan calls for 3000 feet of concrete coating for a 24" OD pipeline - order 2500 feet concrete coating **and** 32 PipeSaks as insurance. Once the trench is opened-up it may be determined that only 2600 feet requires weighting. Now, instead of **wasting** 400 feet of expensive concrete coating, just fill and install 7 PipeSaks.

Save the rest for the next project...or sell them back to us!

Now try THAT with concrete!

PipeSak