



Why does using PipeSak® geotextile fabric weights offer a modern and better way to engineer and construct pipelines compared to using concrete set-on weights? Consider the following benefits outlined below.

Considerations	PipeSak® Fabric Weights	Concrete Weights
<b>Location</b>	PipeSak® patented fabric weights can arrive at any location and be filled at any work site around the world.	Remote locations can be difficult to transport concrete weights to.
<b>Environment</b>	PipeSak® are environmentally neutral. The PipeSak® fabric does not degrade and the ballast is sourced from local, natural aggregate.	The process of curing concrete often requires chemicals which have been known to leach into surrounding groundwater and to affect pipe coating over time.
<b>Durability</b>	The lifespan of the patented, durable, polypropylene PipeSak® exceeds that of most pipelines. Contact PipeSak® for their American Society for Testing and Materials (ASTM) durability test documentation.	Rusting and weakening of steel rebar used throughout the concrete weight is a concern.
<b>Lead Time</b>	PipeSak® Inc. can work within a short lead-time and ensure prompt client delivery.	Longer order lead-time for concrete weights to form and cure properly, prior to delivery.
<b>Trench Dewatering</b>	No trench dewatering required.	Trench must be dewatered prior to installation.
<b>Trench Depth</b>	PipeSak® weights require no additional trench depth.	Extra trench depth is required to protect against third party strikes to the top of the weight which may damage the pipe.
<b>Safety</b>	No workers are required to be in the trench for weight placement.	Workers are often required in the trench to release the weight, creating potential safety issues.
<b>Trench Bottom</b>	PipeSak® weights can sit on most trench bottoms.	Concrete weights are designed to sit on flat trench bottoms to ensure they do not tip off the pipeline.
<b>Weight Tipping</b>	PipeSak® weights have a low center of gravity which prevents the risk of tipping off the pipe.	Top-heavy concrete weights often tip, decreasing the weight's effectiveness.

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<b>Corrosion Control</b>	There is no gap between PipeSak® weight and the pipe to trap soil that may damage pipe coating.	Gaps are common between concrete weights and the top of the pipe, leading to coating damage and corrosion concern.
<b>Cathodic Protection</b>	PipeSak® fabric is porous which offers an easy pathway for cathodic protection currents.	Concrete's density can shield cathodic protection systems.
<b>Storage</b>	Upon completion of pipeline construction, left over PipeSak® weights can easily fold up and be stored for use on your next project.	Left over concrete weights are difficult and costly to remove from the site and transportation and storage for future use can be expensive.
<b>Pipeline Maintenance</b>	If a pipeline maintenance issue arises, PipeSak® weights are easy and safe to remove, – even on 'live' pipelines.	Concrete weights' lift hooks rust making the weight dangerous to remove from the pipeline.
<b>Pipeline Integrity – Appurtenance</b>	PipeSak® weights are soft protection for a pipeline – helping to alert any future third party construction activity.	Solid concrete weights could be driven down into a pipe if ever struck from above by third party construction.

*Praising the innovation, efficiency and cost effectiveness of selecting PipeSak® fabric weights over concrete, Petrobras Inc. of Brazil said, "When buoyancy control encompasses such importance to pipeline construction, the economical and financial benefits of PipeSak® fabric weights become highly attractive points for our future projects." Rio Pipeline Conference, Brazil 2009.*

