



Domestic Flexitank Specifications

A single-use Flexitank designed for the economical transport of non-hazardous industrial and commercial bulk liquid products in standard 48' and 53' dry van trailers.

Product Materials and Components

Multi-Ply Co-Polymer Inner Liner Film	Values	Tolerance
Two-ply Triple Co-extrusion Polyethylene Liner	200 Microns	+/- 5%
Tensile Strength @ break: MD (ASTM D638IV)	40 MPa	-10%
Tensile Strength @ break: TD (ASTM D638IV)	40 MPa	-10%
Elongation @ break: MD (ASTM D638IV)	750%	-10%
Elongation @ break: TD (ASTM D638IV)	750%	-10%
Tear Resistance: MD (ASTM D1004)	100N/mm	-10%
Tear Resistance: TD (ASTM D1004)	100N/mm	-10%
Puncture Resistance/Dart Impact (ASTM D4833)	80N	-10%
Low Temperature Flexibility:	-10 Degrees Celsius	
High Temperature Flexibility:	60 Degrees Celsius	
Flexitank Weight:	38 Kilograms	
Certifications:	Lloyd's Registry, US FDA, COA	

Woven Polypropylene Outer Sleeve	Values
Single-Ply, Woven Polypropylene Outer Liner	280 GSM
Tensile Strength @ break: MD	≥2800N/5mm
Tensile Strength @ break: TD	≥3000N/5mm
Tension, Elongation @ break: MD	≤25%
Tension, Elongation @ break: TD	≤20%
Low Temperature Flexibility	-25 Degrees Celsius
High Temperature Flexibility	70 Degrees Celsius



Valve and Integrated

Valve Body

Gaskets/Seal

Handle Locking Mechanism

Maximum Pressure Rating

Working Pressure

Temperature Rating

Features/Values

Polypropylene/Fiberglass Composite

Silicone & Teflon

Locking Pin with Threaded Screw Plug

5 Bar

3 Bar

60 Degrees Celsius

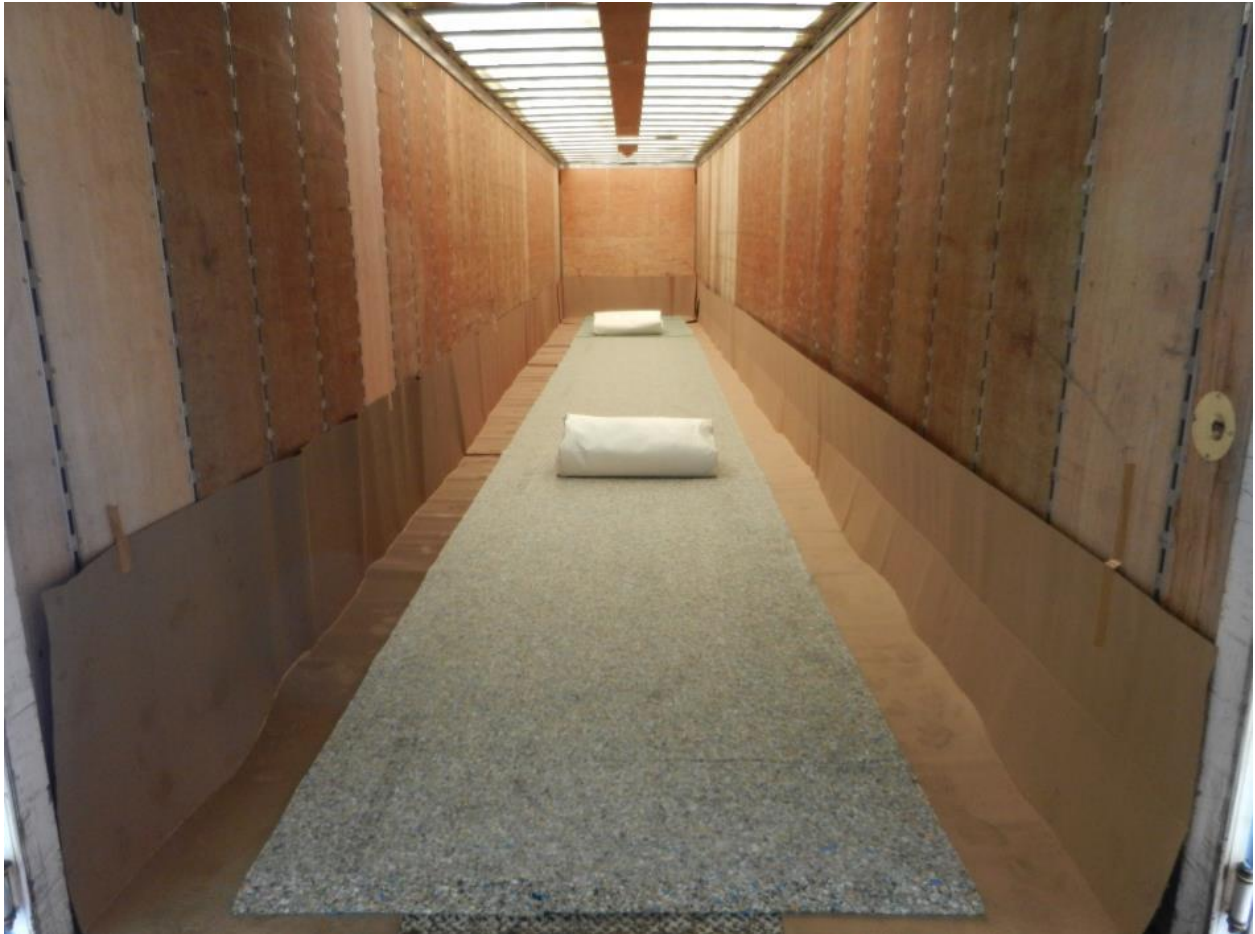
Domestic Flexitank Trailer Fitting Process



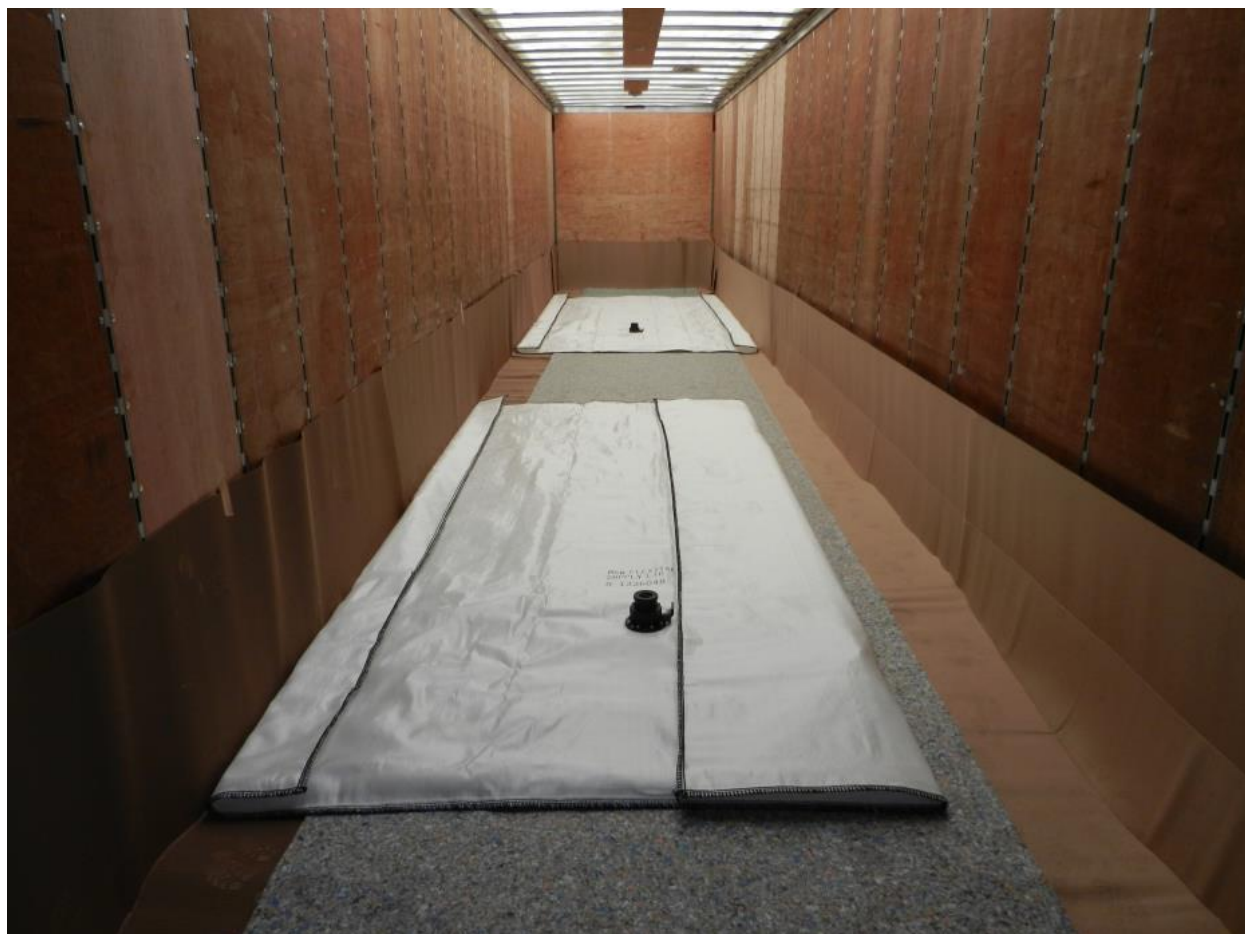
Line on Sidewalls and Floor with Cardboard



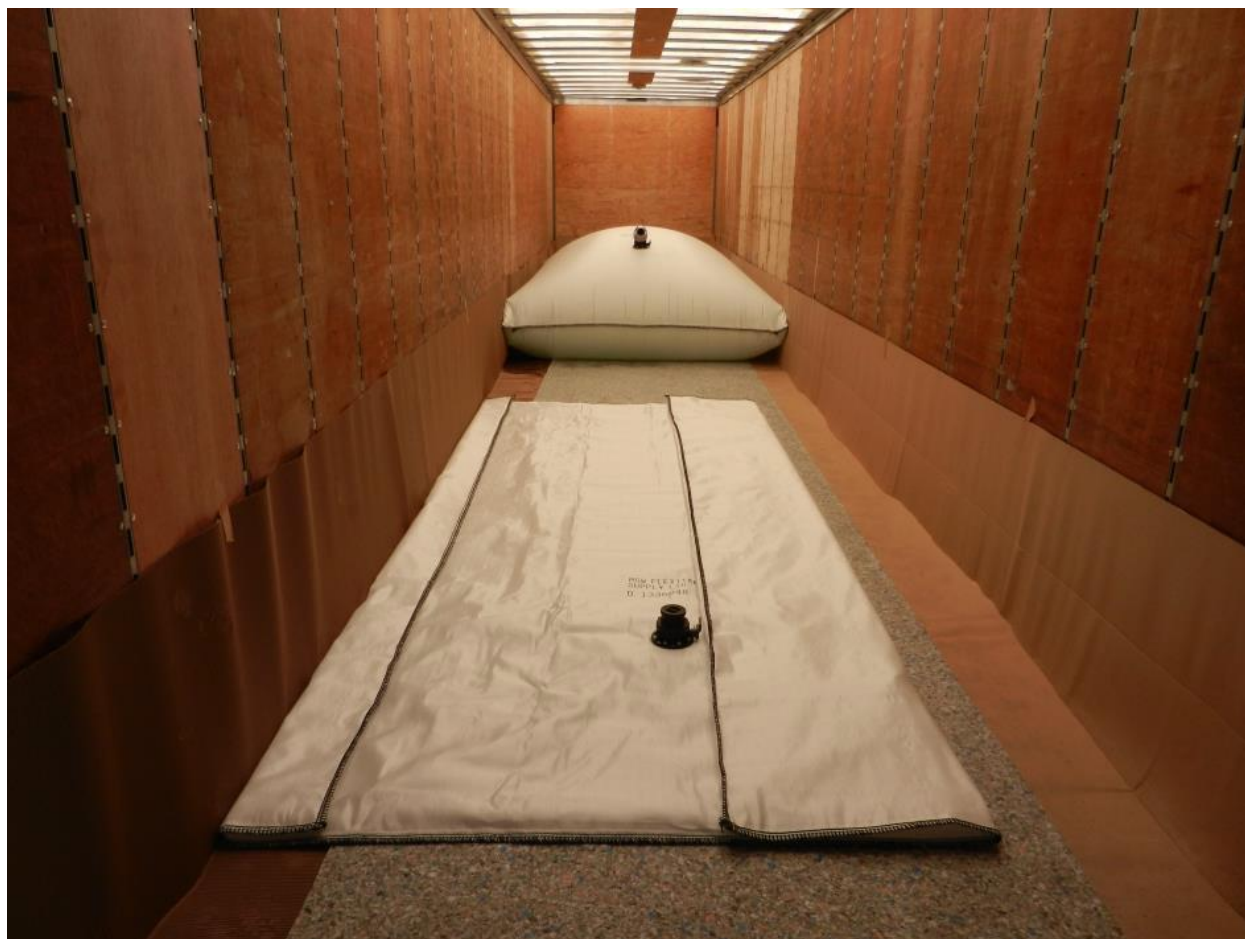
Install Non-Skid Floor Liner & Two Tanks



Unfold and Position Tanks



Fill Forward Tank



Fill Aftward Tank

