



About FLEXXOCOVER

The Flexxocover gastight silocover is a quality product which can be mounted on almost any commercially available concrete, wooden or steel silo. Available in diameters upto diameter of $\phi 45$ meters.

Our engineering department designs our premium product for your silo. In this design phase the forces will be calculated on the silo wall and the detailed set-up of the roof including the tensioning of the roof is determined. Because of the design you can store biogas in your biogasplant. And due to the innovative design of the wall connections you can retension the roof during its lifetime to compensate for relaxation due to stress in the fabric.

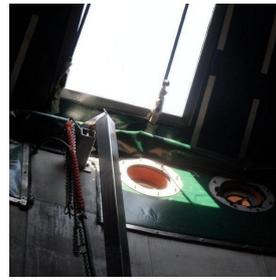
The project related Flexxocover is calculated on your local conditions like wind and snow loads. Due it the special design of the roof tensioning system you can retension the Flexxocover during the entire lifetime several times to avoid damaging of the roof due to (rain)water accumulation. The gastight Flexxocover is equipped with a gastight topplate as well as self-supporting gastight manholes. The connection between the roof and the silo wall will be gastight due to a special lining which will be mounted gastight on the crown or against the wall using stainless steel strips.





Strengths and unique aspects on gastight Flexxocover:

- Heavy polyester fabric with PVC coating on both sides, 900 g/m², 4200/4000 N/5 cm, optional heavier fabrics available, UV-resistant
- Standard available in diameters of up to ø45 meters
- Gastight, standard available for operation pressures between -0.5 and +3.5 mbar, gas permeation < 450 l/bar.day.m²
- Hardwood centre column, made of FSC-certified wood, or optionally stainless steel AISI-316
- High tension rattles with high tension band (2500 kg)
- Standard executed with 2 manholes (90*130 cm), optionally with more or larger openings
- Released for all European wind- and snow-zones. Product is standard supplied with project-related statical calculations.



About FLEXXOLUTIONS

Flexxolutions has a broad experience in development, producing and assembling innovative textile solutions for covering and storage systems for gases, liquids and solids. The addition of our subscript "Innovators in technical textile products" explains our ultimate strength. This is the innovative design of products and customer-specific engineering, production and installation of covering and storage systems as silo roofs in normal and gas-tight execution, airborne double membrane roofs serving the biogas industry and storage both in the form of pillow tanks liquids as water and high-quality bags for storage of manure, gases and combinations thereof. Besides this range of products we also designed and supply innovative (patented) disinfections mats, flexible solid storage silo's, truckliners and products for temporary refugee camps as collapsible water kits, toilets and showers.

All required disciplines in terms of design (Solidworks 3D), tailoring (CNC cutting) and welding (high frequency and thermal) we have in house. Because we have all of these disciplines in house we can make your system in the shortest possible time in relation to quality, design, production and assembly.

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FLEXXOLUTIONS
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