GEOCOVER™

PROTECTING YOUR SILAGE. MAXIMISING YOUR PROFIT.

GEOCOVER

HEAVY DUTY, REUSABLE COVERS FOR QUALITY SILAGE



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COSIO INDUSTRIES

SUCCESSFUL SILAGE

Protecting stored forage from the effects of moisture and oxygen is key to the health and profitability of a livestock farm. This is equally important at biogas facilities to avoid energy losses.

GeoCover EPDM membrane offers a simple, durable and sustainable solution for silage cover applications, both for bunker silos and silage heaps.



Normal silage plastic in the left bunker with tyres, GeoCover on the right bunker

Robust
The covered silage can be walked over without risk of damaging the membrane.

Durable
Resistant to UV exposure and weatherproof, the membrane can be re-used for several seasons. GeoCover has a factory backed, 10 year pro rata UV resistance warranty.

Very low permeability to liquids and gases
Optimal silage preservation.

Flexible (-45°C) and elastic (> 300%)
Installation is easy, and excellent contact with the surface ensures maximum sealing.

Quick installation
Available in large sheets, the membrane easily adapts to the dimensions of the silo or heap. Its weight eliminates the use of tires and reduces the amount of ballast needed.

Easy to repair
Simple gluing, even after several years of exposure.

Environmentally friendly
GeoCover EPDM is a chemically inert membrane that does not release pollutants into the air or in the water.

High friction angle
Facilitates installation and reduces the risk of slipping accidents.

Self-extinguishing
The GeoCover EPDM membrane stops burning when removed from the heat source.

Limited ballast
The GeoCover EPDM membrane, weighing 1.3 kg/m^2, greatly reduces the amount of ballast needed.

SILO/HEAP PREPARATION

Cleaning, compaction, and sealing are the three most important factors for the optimization of a silo/heap.

Start by cleaning the storage area. Pack the forage in layers of 15 to 20 cm to eliminate as much air as possible and obtain a smooth surface (without wheel tracks).

MEMBRANE INSTALLATION

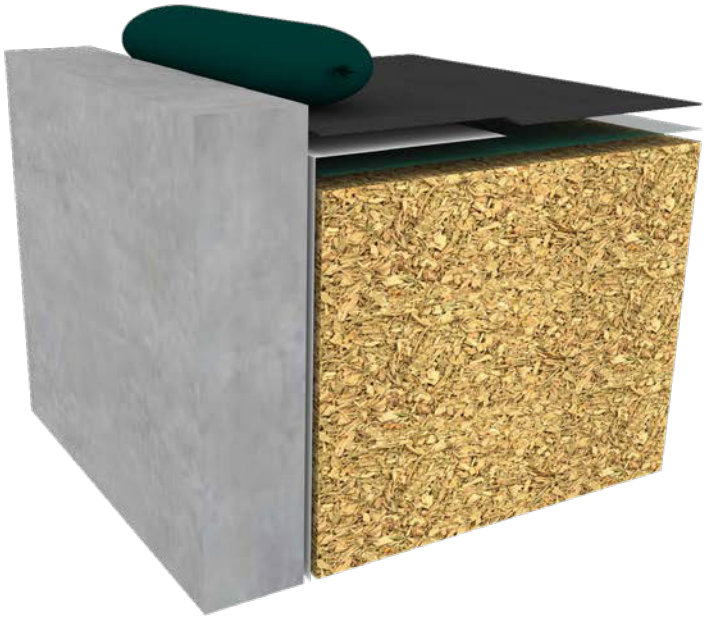
- Unroll the membrane across the width of the silo or heap, leaving an edge extending 0.5 m beyond the perimeter
- Unfold the membrane.
- Place the next panel with an overlap of 0.5m (tiling). To reduce the risk of wind lifting the overlapping sections, install the panels in the direction of the prevailing wind.
- Install continuous ballast along the entire perimeter of the silo/heap and transversely on the overlapping areas (maximum inter-distance of 7.6 m).

We recommend using gravel bags as ballast in windy regions

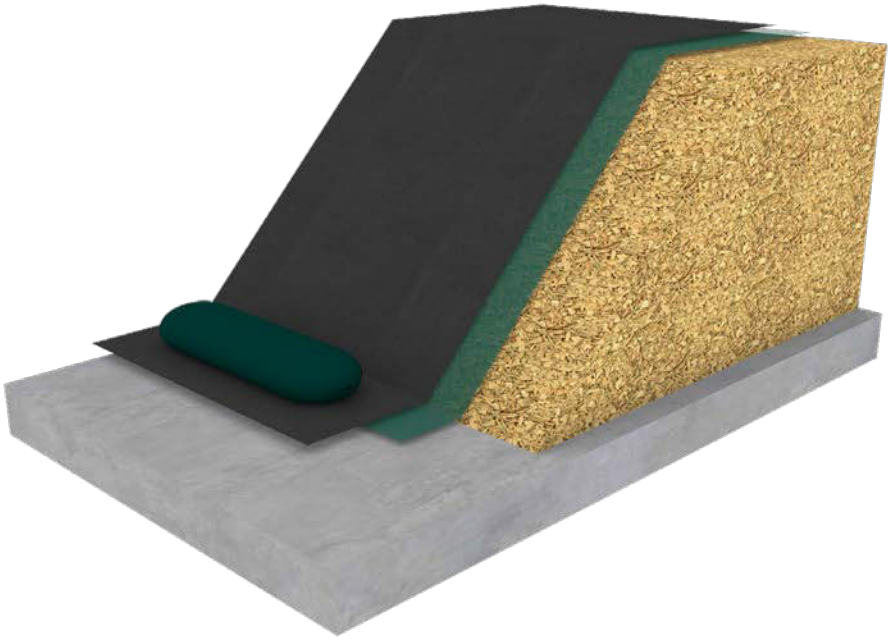


Scan the QR code for more information

Lateral detail of a bunker silo



Lateral detail of a silage heap



USAGE DETAILS

When a section has been completely used, fold and roll up the membrane for storage until the next season. If necessary, wash the membrane beforehand using a pressure washer. Store the rolls off the ground to prevent access by rodents.



GRAVEL BAG SPECIFICATIONS

Gravel bags are recyclable and provide a practical alternative to using tyres as weights. Simply fill with gravel or sand to a weight of approximately 15kg.

Specifications

- Unfilled size, 25 cm × 100 cm
- UV treated HDPE
- Green colour
- Approximate filled weight 15kg
- SKU GSILAGEGB

Features

- Permeable material – will not hold water
- User-friendly grab handles – three integrated handles allow for easy moving and stacking
- Each bag has a convenient built in drawstring for quick and easy tying (a back-up cable tie could also be added)

Gravel bags should be placed around the perimeter and on all overlaps. Ensure adjacent SILAGE SHIELD or GEOCOVER panels overlap by at least 0.5 m



GEOCOVER EPDM

DIMENSIONS & SPECIFICATIONS

Heavy duty, reusable silage covers for quality silage

MATERIAL THICKNESS	MATERIAL WEIGHT
1.14 mm	**1.3 kg/m²**

AVAILABLE WIDTHS

WIDTH	AVAILABILITY
12 m	Standard
16 m	Standard
18 m	Standard
20 m	Standard
22 m	Standard
24 m	Standard
Other widths	Available on custom order

LENGTH & INSTALLATION

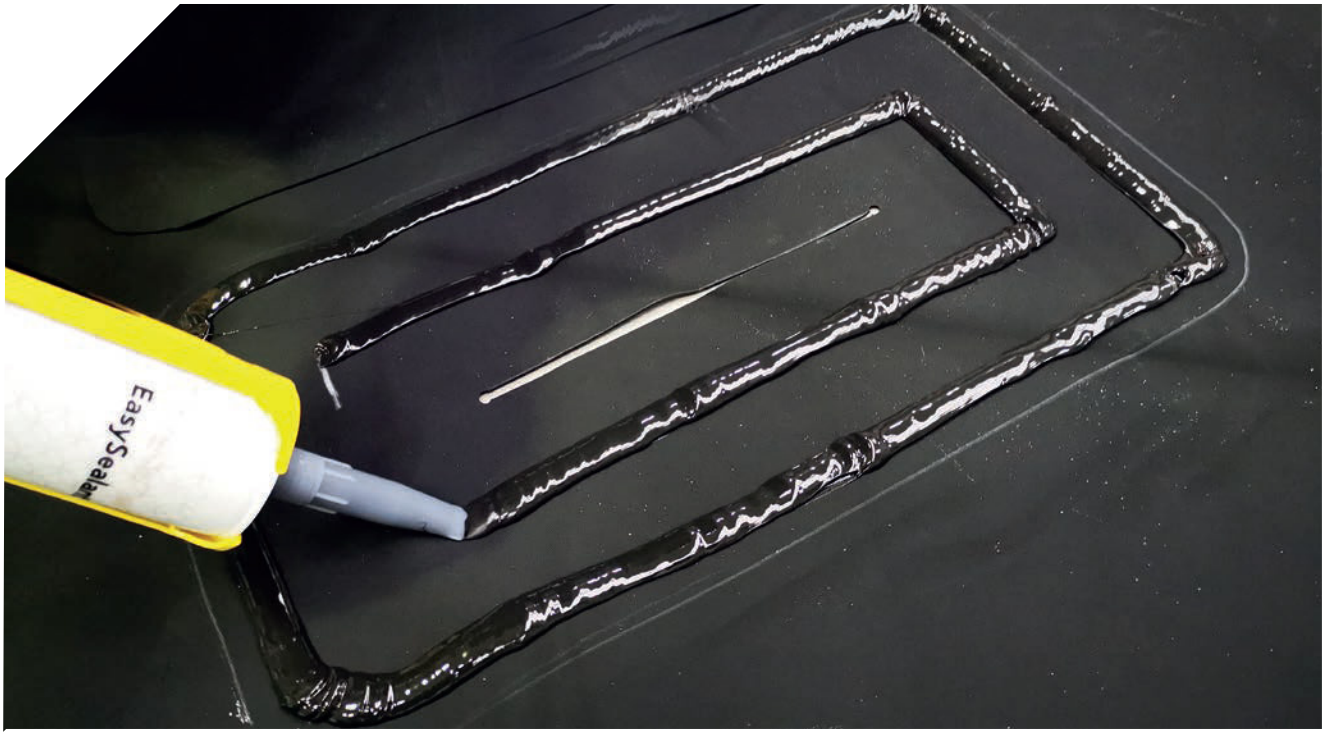
SPECIFICATION	DETAILS
Available length	7.6 m
Recommended overlap	0.5 m

GeoCover EPDM is available in a range of widths to suit different silo and silage heap dimensions. A 0.5 m overlap is recommended when laying adjacent sections.



MAINTENANCE AND REPAIR

GeoCover EPDM requires little or no maintenance. However, we recommend checking its general condition regularly and repairing any damage as soon as it is identified. Repairs can be carried out easily using EasySealant, even after several years of exposure



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COSIO INDUSTRIES

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