

since  
1956

flexible storage  
and cover systems



# wiefferink

## < Ecobag

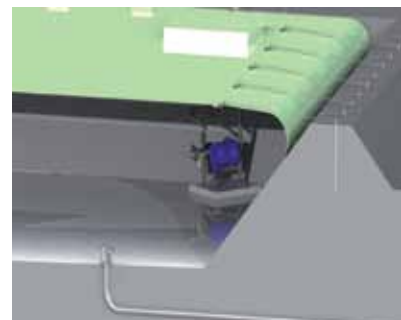
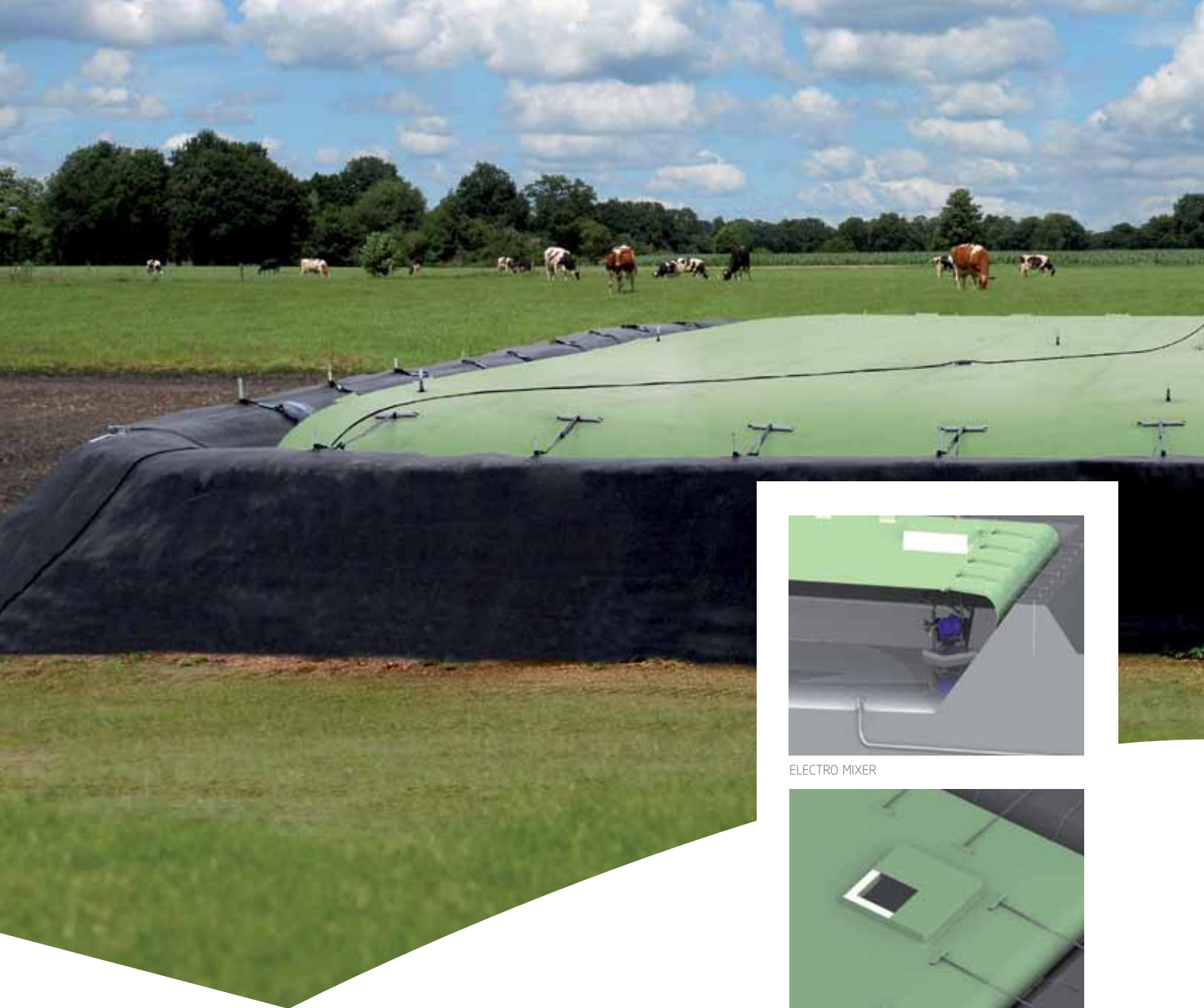
Environmentally friendly storage system for manure, digestate and other liquid waste flows



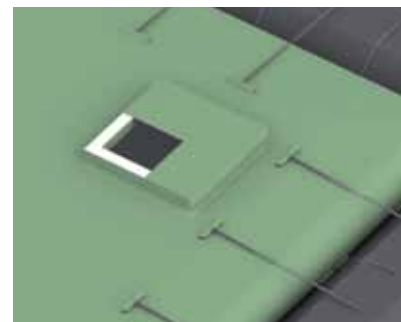
### < Durable, affordable and flexible

The Ecobag is a flexible storage for up to 7000m<sup>3</sup>. It can be used, for example, as a storage option when spreading manure is not permitted, or as a buffer for a biogas installation. The Ecobag is a low-cost investment with fast installation and a landscape-friendly appearance.





ELECTRO MIXER



INSPECTION OPENINGS WITH SAFETY EDGE

## Environmentally friendly storage system for manure, digestate and other liquid waste flows

THE ECOBAG IS A SYSTEM THAT WIEFFERINK HAS DEVELOPED TO STORE MANURE, DIGESTATE AND OTHER LIQUID WASTE FLOWS IN AN ODOURLESS MANNER. THE SPECIALLY DEVELOPED ECO-GREEN COLOUR OF THE ECOBAG MEANS IT IS HARDLY NOTICEABLE IN THE LANDSCAPE. THE STORAGE SYSTEM IS EASY TO INSTALL, WITHOUT AN ARCHITECTURAL CONSTRUCTION, ON MOST GROUND TYPES.

Regulations and standards relating to spreading manure and storing manure and waste flows are becoming ever stricter. In addition, the resistance against large, conspicuous, grey manure bags around villages and cities is also growing, due to the fear of odour nuisance and landscape pollution. The Wiefferink Ecobag offers a solution to this.





### Blends into the landscape

The Ecobag can be provided with a specially developed odour filter, which filters the gases released so that there can be no odour nuisance. In order to blend into the landscape, an eco-green colour was developed in addition to grey.

### No building permit necessary

No building permit is required because there is no permanent construction required. Depending on local legislation, however, it may be necessary to apply for an installation permit, though sometimes simply notifying the authorities of the installation is sufficient.

### Installation of the Ecobag

The Ecobag is installed within an earth bank, for which no supporting structure is necessary. In most cases, the Ecobag can simply be placed on the loose ground. The groundwork must satisfy the local standards for installing a manure basin. Wiefferink supplies the drawings for dimension of the groundwork. Before installation, our experts inspect the sizing and the situation at your location, so that we can complete the installation as quickly and effectively as possible, ready to use.

Additional options for the Ecobag include the patented odour filter and a mixer to keep the stored manure homogeneous.

### Maintenance and lifespan

The Ecobag requires very little maintenance. Only the vent pipes and possibly the odour filters need to be checked for silting up. Wiefferink provides a 5-year warranty for the Ecobag on material and production defects. An Ecobag typically lasts 10 to 15 years.

## Ecobag

THE ECOBAG INCLUDES:

- 1 FLEXIBLE FOIL WITH VERY STRONG MECHANICAL PROPERTIES AND HIGH CHEMICAL RESISTANCE
- 2 SUFFICIENT FASTENING POINTS, STRAPS AND EARTH ANCHORS
- 3 VENT PIPES
- 4 INSPECTION OPENING WITH SAFETY EDGE

### Available options

- 1 ODOUR FILTER
- 2 INSPECTION OPENING WITH STAINLESS STEEL HATCH
- 3 DIFFERENT FOIL COLOURS, STRENGTHS AND CHEMICAL RESISTANCES
- 4 ELECTRIC MIXER
- 5 POWER TAKE-OFF MIXER (UNDER CERTAIN CONDITIONS)

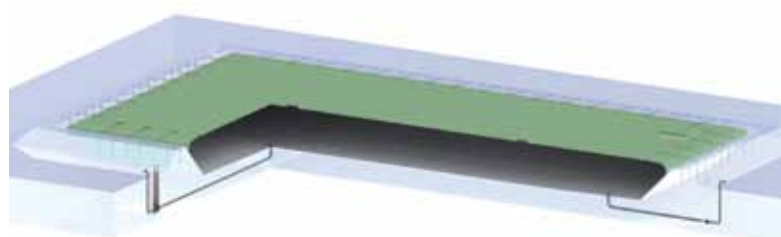
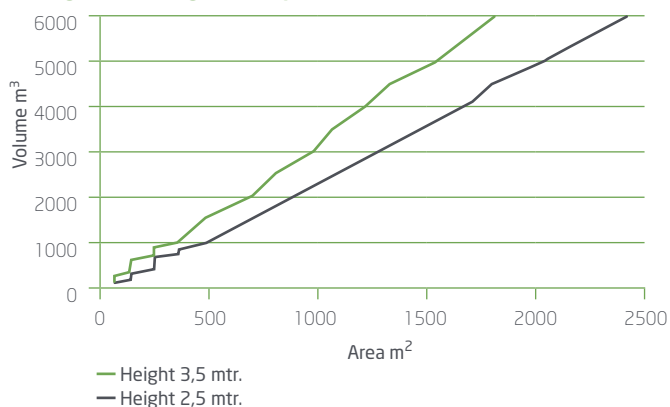
### Advantages

- 1 LARGE, SEMI-PERMANENT STORAGE THAT CAN BE INSTALLED QUICKLY
- 2 SIMPLE PERMIT PROCESS; SOMETIMES NOTIFICATION IS SUFFICIENT
- 3 LANDSCAPE-FRIENDLY DUE TO LOW PROFILE AND GREEN COLOUR
- 4 LOW INVESTMENT COSTS
- 5 5-YEAR WARRANTY AND USAGE LIFESPAN OF 10 TO 15 YEARS
- 6 NO HIGH DECONTAMINATION COSTS AT END-OF-LIFE

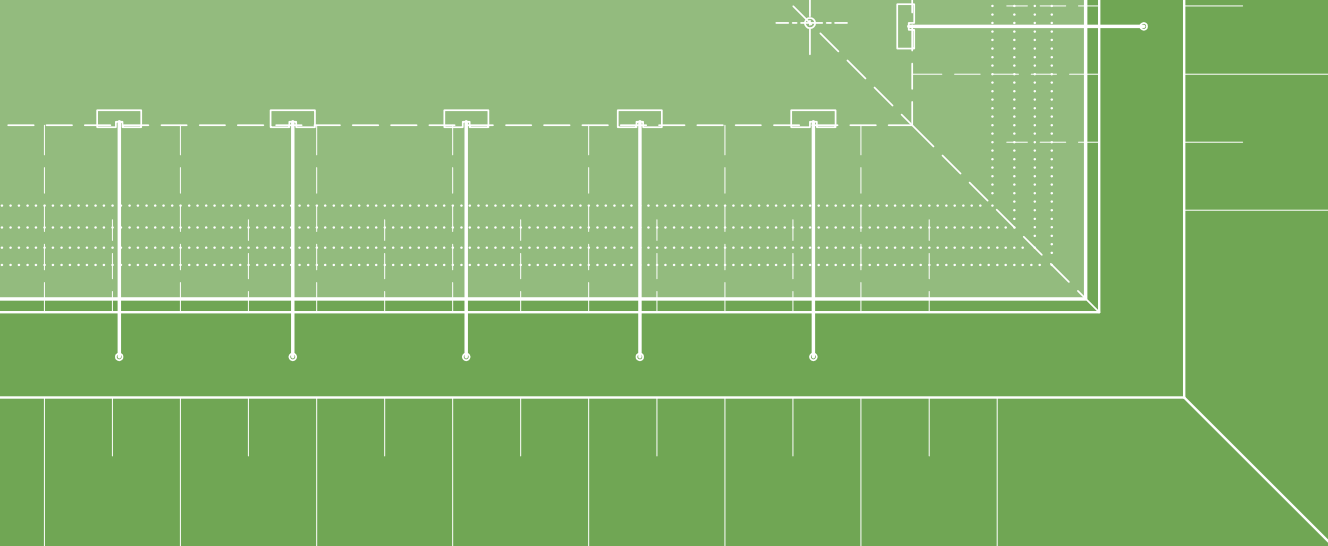
### Applications

- > AS STORAGE FOR MANURE WHEN SPREADING IS NOT PERMITTED.
- > AS STORAGE FOR DIGESTATE IN COMBINATION WITH A BIOGAS INSTALLATION.
- > FOR STORAGE OF WASTE FLOWS, LIQUIDS OR FUELS (SPECIAL FOIL REQUIRED).

### Storage volume against required surface



ECOBAG PIPING PARTS



2x tension distance 2,55m to pole  
by pulling strip on the flexistore

3500

1000

1:1

ground level

2x tension distance 2,90m to pole  
by pulling strip on the flexistore

THE WIEFFERINK GROUP WORKS WITH FLEXIBLE FOIL AND SUPPLIES PRODUCTS AND SERVICES RELATING TO STORAGE AND COVERING SOLUTIONS. WE ARE WIDELY ACTIVE IN THE ENVIRONMENTAL AND BIOGAS BRANCHES.

## The Wiefferink Group

Thanks to more than 50 years experience working with flexible foils, we have acquired unprecedented know-how of complex storage and covering issues. That is why our products, techniques and processes are so reliable.

### Highest quality

We strive for top quality in everything we do. Wiefferink is a modern, industrial foil processor with KIWA, KOMO, VCA and ISO 9001:2008 certifications. We have the most advanced production methods at our disposal; modern thermal and high-frequency welding equipment, CNC cutting technology, our own laboratory, testing facilities and quality protocols ensure the high quality standard of our products. We deliver that top quality together with the unrivalled enthusiasm of our specialised employees.

### Continuous development

Wiefferink applies the most modern production technologies and continuously develops its products. With the input of our clients, the newest techniques and innovations, we raise our products to an ever higher standard of quality.



wiefferink

#### Wiefferink B.V.

adres<sup>c</sup> Textielstraat 16  
7575 CA Oldenzaal

mail address<sup>c</sup> P.O. Box 335  
7570 AH Oldenzaal  
The Netherlands

phone<sup>c</sup> +31 541 571 616

fax<sup>c</sup> +31 541 512 499

e-mail<sup>c</sup> info@wiefferink.nl

internet<sup>c</sup> www.wiefferink.nl