



Silo management with brains

With us you save time and money



Silage additives – Saves your harvested quality

- Targeted control of the process using nutrient-sparing lactic acid bacteria
- Stopping any incorrect fermentation
- Reduction of nutrient and energy losses during substrate storage
- Reduction of post-heating at the silage face and in the solid feeder
- Increased digestibility and energy density in the feed
- Improved methane yield

Product recommendation

Product	Characteristic	Application	Dosage
PlantaSil HC	<ul style="list-style-type: none"> - Hetero fermentative Lactic acid bacteria - For sugar rich, protein weak Substrate with > 33 % DS - Increases acetic acid content in the silage - Ensures aerobic durability and prevents mould and pollutants 	<ul style="list-style-type: none"> - Energy corn - Sweet millet - Grain whole plant silage 	PlantaSil HC (200 g): <ul style="list-style-type: none"> - Suitable for microdosing - Liquid application with 20 - 150 ml / t silage - 0.8 g/t silage
PlantaSil Extra HC	<ul style="list-style-type: none"> - Contains homo- and heterofermentative lactic acid bacteria for rapid pH value reduction already during the ensiling process - Shift in the fermentation acid pattern - towards acetic acid and propylene glycol - Additional propionic acid formers with - strong antifungal effect 	<ul style="list-style-type: none"> - Grain GPS - Maize silage - CCM - Grass (over 30 % DM) 	PlantaSil Extra HC (100 g): <ul style="list-style-type: none"> - Suitable for microdosing - Liquid application with 20 - 150 ml / t silage - g/t silage
ProFerm HC	<ul style="list-style-type: none"> -- Homo fermentative Lactic acid bacteria - For sugar weak, protein rich substrates with < 33 % DS - Rapid start to Lactic acid fermentation and lowering the pH-value - Prevents butyric acid fermentation and nutrient breakdown 	<ul style="list-style-type: none"> - Green Rye - Sudan grass - Gras (25 – 35 % TS) 	ProFerm HC (200 g): <ul style="list-style-type: none"> - Suitable for microdosing - Liquid application with 20 - 150 ml / t silage - 0.8 g/t silage



**An investment that
always pays off!**

Silage losses (6% to 10% DM)
 -
 Additive costs (1% to 3% DM)
 =
 Your profit

Why Silage barrier foil?

- Clearly a higher oxygen barrier than classic covers
- Simple handling and workability

Silo₂Block®

7-Layers-Oxygen barrier-silo foil

- Newest 7-layer Silo foil with integrated barrier layer
- No underlay needed
- Less silage loss at edges and surface
- Excellent adaptability
- Very high technical quality (Rip and tensile strength)
- 18 Months UV-Stability
- Easy handling for quick fitting



FEATHER LIGHT



SAFE FOOTAGE

HIGH TENSIL
STRENGTH

18 Month

UV-STABLE

20
TimesHIGH OXYGEN
BARRIER

100 %

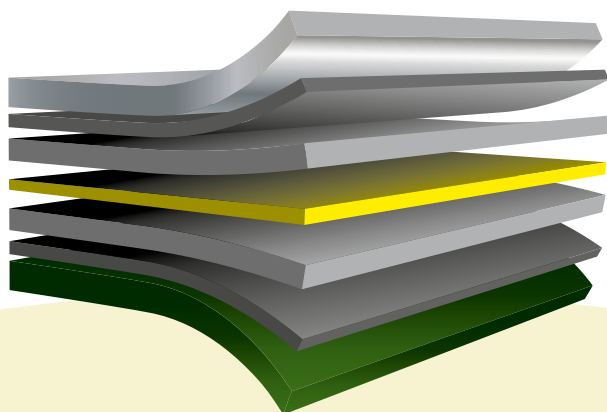
RECYCLABLE



100 %

FROM
WIND ENERGY

Technical data	Colour	Strength	Oxygen penetration	Tear & tensile strength	Width	Length	UV-stability
Silo ₂ Block	Green/silver	100 my	excellent	extremely robust	6-36 m	25 m 50 m 200 m 300 m 400 m	18 Months



- Metallocen-strengthened UV-Outer-layer
- Flexible Polyolefin-layer
- Composite layer
- Barriere-center layer
- Composite layer
- Flexible Polyolefin-layer
- Metallocen-strengthened UV-Outer-layer

100 µm
(100 % pure
stone)

Barrier foil –

The new generation of silage coverings



- Practical in the fitting due to optimum elasticity and resilience
- Up to 100 X higher Oxygen barrier compared to standard foil
- Resource saving and 100 % recyclable

rkw

RKWs e7



rkw-group.com

Technical Data	Colour	Strength	Oxygen penetration	Tear & tensile strength	Width	Length	UV-stability
Farmguard	white/black	100 my	excellent	extremely robust	8-30 m	50 m 200 m 300 m 400 m	18 Months

TERRAVIS TIP:

- Usage of wall foil against the attack from acid in the clamp walls and joints
- Installation of a drainpipe (80 mm) between the silage and the clamp wall foil to reduce water pressure against the clamp wall

The main areas of application for GLUKON® farm Systems



spray adhesive
GLUKON®
farm

GLUKON® farm is a pressure sensitive and special spray adhesive for bonding foils like PE-, PP- and PA together or onto other materials.

The GLUKON® System

- Mobile System, immediately usable without electricity or a compressor
- Maintenance free! No need to clean the gun or hose
- Water resistant
- Temperature working range from -20 °C to 65 °C
- Glueable after 60 seconds
- Processing time of around 4 hours
- Covering area double sided bonding of around 100 m² (13 kg Pressure tank)
- Covering area double sided bonding of around 3 - 5 m² (500 ml Can)
- Colour: transparent
- After opening, usable for a minimum of 18 months

Glues foils of PE-, PP- und PA- together and with the following materials:

- | | |
|-----------|-----------------|
| • Rubber | • Concrete |
| • Leather | • Needle felt |
| • Lino | • Painted steel |
| • Glass | • Wood |
| • Cork | • Styrofoam |



User tips:

- Begin covering, as soon as the fill level for a foil width is reached
- Gluing the joint with special adhesive GLUKON® farm
- Note the waterflow direction when overlapping



Silo fixing –

A must for high quality silage

Why silo foil netting?

- Protects foil from birds, storm - and hail damage
- Increases crush resistance and helps foil fixation
- Long term UV-Stability



User tips:

- Connect the silo netting before out lay (Overlay width about 50 cm)
- Individual production possible
- Repair kits available



Why silo net bags?

- Easy and flexible fixation in problem areas
- Proven system for edges and corners



User tips:

- Use 2 – 6 mm round gravel in net bags
- Fill to max. 2/3 (ca. 20 kg)
- Store on pallets



Why silo tension belts?

- Easy handling and fixation
- Fixation on the Silo wall or concrete
- Stops any foil movemnet
- Reduces oxygen entry
- Clear reduction of silo net bags

Properties: Robust, extremely flexible



User tips:

- Distance between two tension belts based on feed reduction (4 to max. 8 m)
 - Endless tension belt for individual belt length
- Pay attention to repeated tightening of the belts after covering the silo
- Fasten the net bags to the belt with the Vario clip belt in order to draw in transverse barriers on the sloping side of the silo.



Product recommendations –

Foil, Netting, Yarns

Product	Colour	Pack size	Strength / weight	Width (m)	Length (m)
Side wall foil	Black/white	Roll	120 µm	2/3/4/6	50/200
Silo2Block®	Green/silver	Rolle/qm	100 µm	6-36	25/50/200/300/400
Farmguard	Black/white	Roll/qm	100 µm	8-30	50/100/150/200/300/400
ELAN Silo foil	Green/white	Roll/qm	125 µm	6-20	25/50/200/300/400
Raiffeisen Classic	Black/white	Roll/qm	150 µm	6-20	25/50/200/300/400
Raiffeisen Underlay foil	Transparent	Roll/qm	40 µm	6-20	50/200/300/400
Repair adhesive tape	White	Piece		15 cm	10
ELAN Silo netting	Green	Piece	240 g	5/6/8/9/10/12/18	10/12/15/18/25/200
Silo net bag	Green	Piece		25/27 cm	1/1.20
Silo net bag, filled	Green	Piece	20 kg	27 cm	1.20
GLUKON® Can	Metal	Carton			
GLUKON® Pressure vessel	Metal	Gallon			
Unwinding rack for 3- point suspension	Metal	Piece			
Front loader with feet	Metal	1 Pair/Frame			



Product	Colour	Pack size	Length (m)
Silo tension belt with hook	Green	Piece	20/25/30/40/200
Silo tension belt without hook for Vario Clips	Green	Piece	20/25/30/40/200
Silo belt	Green	Piece	6.4–25.6
Belt hook, Vario clip	SST	Piece	
Ratchet without hook	Metal	Piece	
Ratchet with hook	Metal	Piece	
Ratchet with belt and hook	Metal	Piece	
Belt winch	Metal	Piece	
Ring	Metal	Piece	
Anchor bolt	Metal	Piece	



CONTACT

TerraVis GmbH
Industrieweg 110, 48155 Münster
Telefon: +49 251.682-2055
info@terravis-biogas.de

www.terravis-biogas.de