WELFARE FOR ANIMALS IS OUR JOB!

Roll-up side-wall Systems - Curtains
Roller Doors - Sliding Doors - Folding
Windbreak Netting - fixed or adjustable
Windbreak Panels
Illumination and Ventilation Ridges

WELFARE FOR ANIMALS IS OUR JOB!

THE RIGHT SOLUTION FOR EVERY TYPE OF BARN
We carry out steel and textile processing in our own workshops...

...this makes it possible for us to carry out regular quality control, in order to consistently fulfill not only the high expectations of our customers, but also our own requirements.

Thanks to the unique sheeting production workshop, which is equipped with one of the longest welding tables in Europe, winding systems more than 100 m in length can be welded.

The in-house metalworking shop manufactures and assembles a wide range of components and profiles for doors and ventilation systems.

A large team of sales advisers, plant representatives, and partners at home and abroad ensures that customer requirements are rapidly and reliably processed and implemented.

You’ll find everything under one roof with us, and you will be well advised all round.

Our products have been setting standards for more than 25 years.

Our principal aim is the further development of our product range.
Windbreak netting is graded into different types according to porosity (degree of surface cover) and wind braking effect.

WSG2020
Bird screen
Mesh width: 20 x 20 mm

WSN6060
60% porosity
60% wind braking effect

WSN5095
50% porosity
95% wind braking effect

WSN1595
15% porosity
95% wind braking effect

The use of polyester fabric as the support material guarantees very high tear resistance, and the high quality synthetic coating for sheeting and netting ensures good temperature resistance and UV stability; in addition, it has been treated with antistatic and antimould. All our windbreak netting and windbreak sheeting is of low flammability, and is non-dripping (B1 - DIN 4102)

AGROTEL windbreak solutions are powered either by a plug-in drive or by a geared motor.

The motor used depends of the size and type of the system.
APPLICATION EXAMPLES

Agriculture

For stock keeping, factors such as light and air are of decisive importance for the well-being of the animals, and thus for operational and financial success.

Correct ventilation by means of an adjustable air supply is of particular importance. It creates the optimum climatic conditions for barns.

As part of our research and development work, we have worked intensively on the problems which this poses. The result is various windbreak solutions for drawing air in and exhausting it.

The AGROTEL product range includes fixed solutions in the form of panels, as well as mobile windbreak systems in the form of sheeting doors and curtains, plus the illumination and ventilation ridge, and air intake guide sheeting.

Industry

When companies in industry and trade grow, their problems also include a logistics challenge. For this, AGROTEL offers not only complete sheeting halls, but also the associated door solutions and side-wall systems.

Our range of windbreak products includes side-wall systems and various door solutions, which can also be implemented for larger openings. We also have gable sheetings or panels in our range.

Our in-house production enables us to respond even to specific wishes, and to provide the right solution for almost all requirements.

Whether doors for storage halls, production workshops, or aircraft hangars, AGROTEL provides solutions of proven quality.
System 1 - WSS 1

Ventilate from underneath; raise the System

System 1 makes it possible to ventilate from underneath. The system can be raised completely. With System 1, sheeting and netting can be combined.

System 1 from AGROTEL is used for side-wall ventilation and covering, and is principally installed where the stock is not kept next to the wall at all times.

Maximum Sizes

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System 1 is permanently fixed at the top using channelling and channel rail. Rubber coated and hot-dip galvanised C-profiles are used for internal and external tensioning. They ensure optimum stability.

The system is driven by a plug-in motor or a geared motor.
System 2 - WSS 2

To vent from top to bottom, fold together or lap the Sheeting

Max. length 120 m
Höhe max. 4 m

Side-wall Opening, lapped downwards

Can be used for installations which are not so high, and which have a greater pedestal height.

Maximum Sizes
max. length (motor-powered) 120 m
max. height 4 m

System 2 from AGROTEL is provided exclusively as sheeting. Here too, rubber coated and hot-dip galvanised C-profiles provide the necessary stability.

System 2 is driven by a plug-in motor or a geared motor.
Control

System 3 - WSS 3

Insulate, or vent from top to bottom by folding together

Hot-dip galvanized C-profiles with a rubber coating are used for tensioning.

The sheeting material is a highly tear resistant synthetic-coated polyester fabric composite.

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During winter operation, the system is closed and is provided with insulating air chambers. In this form, it can be opened by 15 - 30 cm from top to bottom, so that the fresh air supply is possible even during the cold time of year. The AGROTEL air ducting sheeting, installed in the eaves to guide air inwards, provides the ideal condition for this.

For summer operation, the air is released from the chambers. After this, the system can be folded downwards. In its parked position, the complete package can then be raised. This ensures good transverse ventilation.

It is powered by a plug-in drive or a geared motor.
System 4 from AGROTEL is the all-rounder of the side-wall ventilation systems. It makes ventilation from top and bottom possible. If the system is rolled up from the bottom, and then lowered somewhat, it can be used to create shade.

In the summer, the complete system can be raised fully. A system which provides many options.

System 4 was developed by AGROTEL more than 20 years ago. Since then, it has proved itself in its universal applicability and, after ongoing development, it is at the state of the art.

### Maximum Sizes

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With this system, ventilation options are very varied.

Vertical tensioners, with hot-dip galvanised, rubber coated C-profiles internally and externally, ensure stability.

It is powered by a plug-in drive or a geared motor.
System 5 from AGROTEL functions in the same way as System 4. It rolls back from the middle, and can also be raised or lowered, in order to use it for ventilation and shading. Because of the shaft in the middle, System 5 requires fewer supports than System 4. The greater separation between supports means that the system can also be moved inwards at the sides. Our System 5 is particularly suitable for high walls.

The additional shaft makes System 5 from AGROTEL even more stable, and it can resist even high wind loads. Hot-dip galvanised, rubber coated C-profiles are used for internal and external tensioning.

**Maximum Sizes**

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System 5 is available in a number of textile variations. Each is a highly tear-resistant synthetic-coated polyester fabric composite.

It is powered by a plug-in drive or a geared motor.
The AGROTEL double roller door is permanently fixed at the top. A wrapping shaft is positioned at the mid-point. In the lower area there is a stiffening tube with overlapping flaps. The door is closed off at the side by a metal cover sheet. With single panel systems, there is also a metal cover sheet as a closure. Both for single and multi-panel system, there is the option to install movable supports. Multi-panel systems run across several building support columns.

The AGROTEL double roller door is available in several textile variants, and with remote control. Depending on the size of the door, it is powered either by a plug-in drive or a geared motor.
Double Double Roller Door - WST 11

with two drive shafts

### Single Panel System
- Max. width: 8 m
- Max. height: 6 m

### Multi-Panel System
- Max. width: 75 m
- Max. height: 10 m

The double double roller door has two drive shafts for winding in or out. This divides the windbreak surface into 4 panels, and therefore allows a greater separation between supports.

Both for single and multi-panel system, there is the option to install movable supports.

The double double roller door is especially suitable for larger door widths and heights.

Sheeting and netting can be combined. Remote control can be provided as an option.

Depending on the size of the door, it is powered either by a plug-in drive or a geared motor.
Ribbed Roller Door - WST 7

with integrated stiffening tubes

Maximum Sizes

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In the welded-on textile flaps, there are stiffening tubes with a diameter of 34mm. The tubes run in U-profiles at the sides, and are fitted with sealing brushes.

As standard, the door is supplied with motor drive.

It can however be equipped with a hand-pull chain.

Sheet metal closures at top, and U-profiles at the sides ensure effective sealing and neat appearance.
“Big” Ribbed Roller Door - WST 9

with reinforced integrated stiffening tubes

The “Big” ribbed roller door is a robust and quick-acting door.

**Maximum Sizes**

- max. width: 7 m
- max. height: 8 m

The stiffening tubes, which are at separations of between 60 - 70 cm, run in U-profiles at the sides, and are fitted with sealing brushes.

All our motor-operated doors can optionally be fitted with remote control.

Textile variations in the sheeting and netting are possible for all AGROTEL doors.

AGROTEL „Big“ ribbed roller doors are powered by a geared motor.
The sliding curtain is the most cost-effective solution for smaller openings.

In contrast to the sliding door, the sliding curtain has no additional stiffeners. It is available only as a netting model.

A forked tensioning device at top and bottom ensures the necessary stability, with simple closing of the curtain even when there is a high wind pressure.
SLUTIONS

Sliding Door - WST 2

with integrated stiffening profiles, and bayonet anchoring

Max. width 18 m
Max. height 6 m

The sliding door is a robust, compact, wind-secure construction. The door is opened manually by sliding the door together.

The door is absolutely wind-stable, because the individual panels have stiffeners with bayonet anchoring.

There is the option of roundings and curves up to an angle of 90 degrees.

Textile variations in the sheeting and netting are possible.

Maximum Sizes

max. width 8 m
max. height 6 m

www.agrotel.eu
DOOR SOLUTIONS

Clear Span Folding Door - WST 6

for large Openings WITHOUT intermediate Supports

Straps are welded onto the sheeting or netting at specific distances.

These are fitted at the ends with ball-bearing running rollers. They are guided from bottom to top over a toothed wheel by a chain.

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The AGROTEL folding door can be stopped in any position, and is wind-stable in spite of this. The welded-on straps ensure this.

Drive is provided by a positive drive, which can be operated both electrically and by remote control.
VENTILATION

Intake Air Guide Sheet

for „guided“ Provision of fresh Air via the Eaves

The AGROTEL intake air guide sheet is installed internally, up in the side of the eaves. This means that the fresh air, which is so important in the barn, can be drawn in optimally.

The cool fresh air flows through the opening at the top in the eaves, and mixes with the warmed air in the barn.

The cold air therefore does not fall directly onto the animals, rather it is initially „guided“ and mixed with the air inside.

If the temperature of an airflow were too low, this could endanger the health of the animals. The AGROTEL intake air guide sheet prevents an uncontrolled inflow of cold air.

In this way, the climate of the space is optimal.
Especially in cattle barns, sufficient and adjustable air extraction is essential. The system’s intelligent design creates a very good chimney effect, and therefore especially efficient extraction of the spent air. The AGROTEL illumination and ventilation ridge is a winner because of its stable construction using aluminium arches, and it can be installed with all covering variations, both in halls made from sheeting, and also onto conventionally roofed buildings.

It is driven by two geared motors in combination with a toothed rack mechanism.

The unique white sheeting of the AGROTEL illumination and ventilation ridge is a particular advantage.

The translucent, hail-resistant sheeting allows sufficient light to enter the building. However, solar radiation is reflected. This means that the inner space is not heated further.
CONTROL

Ventilation Ridge

Maximum Openings depending on the pitch of the roof

Illumination opening, width 150 - 180 cm
Ventilation opening, width 70 - 100 cm

The AGROTEL sheeting illumination and ventilation ridge opens and closes at the

If one side of the AGROTEL illumination and ventilation ridge is opened, a ventilation opening of up to 40 cm in width is created. This arrangement is beneficial for various weather conditions, e.g. wind and rain. The ridge can also be used to create shade.

If the AGROTEL illumination and ventilation ridge is opened on both sides, a ventilation width of up to 100 cm can be used, depending on the pitch of the roof. We implement the two-sided illumination and ventilation ridge at roof pitches between 10 - 30°.

The AGROTEL illumination and ventilation ridge is also available as a single-sided model. The single-sided variant is recommended for lower airflow rates or for narrower buildings.
Ihr Ansprechpartner vor Ort

AGROTEL GmbH
Hartham 9, D-94152 Neuhaus/Inn
TEL: +49 (0) 8503 914 99 0
FAX: +49 (0) 8503 914 99 33
info@agrotel.eu

AGROTEL Handelsges.m.b.H.
Goldberg 2, A-4761 Enzenkirchen
TEL: +43 (0)7762 2777 0
FAX: +43 7762 2777 33
office@agrotel.eu

www.agrotel.eu