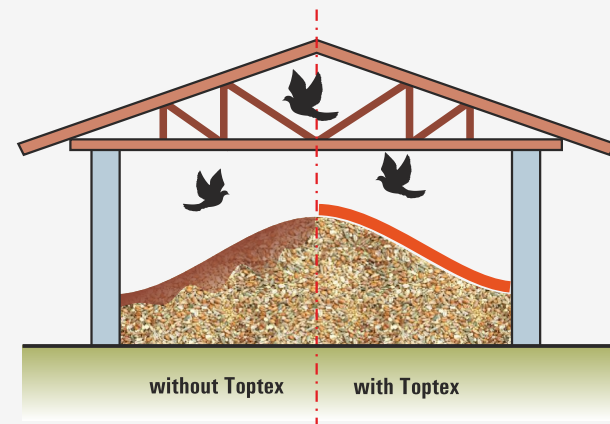


... and Grain

Protect your grain against contamination by bird excrement!

- ✓ permeable to air and vapour (no heating up!)
- ✓ "ventilation-proof"
- ✓ certified compatibility to food



TENCATE
Toptex®

Forms of Supply

Width	9,8 m	9,8 m	12 m
Length	12,5	25 m	25 m
Roll width	2,45 m	2,45 m	2,45 m
Roll weight	appr. 18 kg	appr. 35 kg	appr. 42 kg

The information in this brochure corresponds to our current knowledge levels, and as new scientific data becomes available statements may be revised. Any claims or liability, either expressed or implied, especially for patent injuries, cannot be derived from it.

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TENCATE
materials that make a difference

TENCATE
Toptex®

Protection Fabric

Effective Protection of Straw and Hay Bales and Grain



Protection for Straw and Hay Bales ...

Toptex Protection Fabric protects straw bales reliably against wind and rain, providing effective respiration. The high quality of the straw is preserved throughout the whole winter season, drying-off after heavy rainfall, and the development of mould is avoided!

The benefits of Toptex

- ✓ permeable to air and vapour (avoids mould development)
- ✓ water shedding (drains off water at slope angles $> 45^\circ$ *)
- ✓ resistant to wind lifting
- ✓ the straw dries off even after heavy rainfall
- ✓ high tensile strength and tear resistance (withstands even strong winds)
- ✓ UV stable (life-time minimum 3 years)

*) Slope angle min. 45° , maximum pile width 5 m or 2 rectangular bales



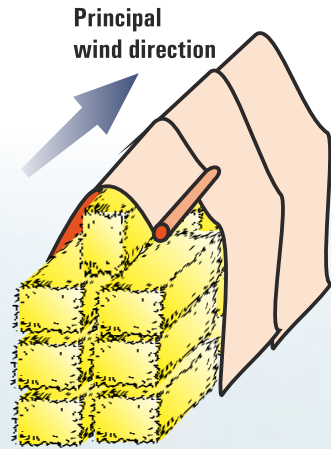
TENCATE
materials that make a difference

Toptex - Straw- & Hay Protection Fabric - Installation Guidelines

(1) Orientate both stack and fabric into the principal wind direction!

In order to avoid a de-coverage by wind attack, and to guarantee adequate aeration from all sides, the straw stacks should be oriented along the principal wind direction, and covered against it (see sketch)!

Overlap adjacent panels by min. 20 - 30 cm!



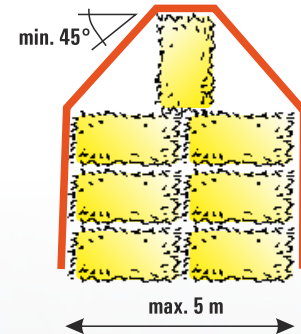
(2) Cover the stack with a "roof"

Inclination minimum 45° (the steeper, the better!)

Only on shallow slopes can water accumulate and finally penetrate through the fabric into the straw!*

If possible, use round bales for the upper-most layer, or use smaller bales positioned up-end. (See figures)

Maximum stack width 5 m.

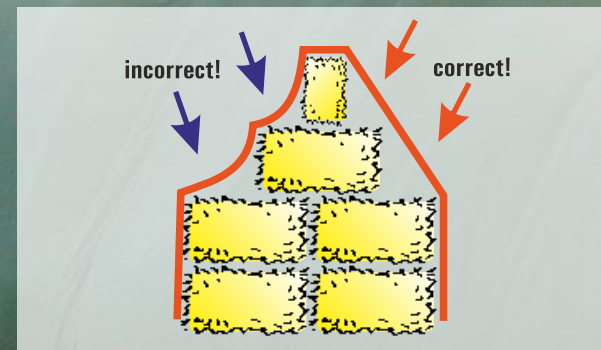


*!) If properly used (in terms of slope angle and tightening), normal precipitation will be shed by Toptex. Extreme and unusual precipitation however, can result in a partial moistening of the straw or hay stack.

(3) Tighten the fabric firmly!

At sagging spots, water can accumulate and finally penetrate through the fabric into the straw! Fixing is preferably done using U-shaped pins fixed into the straw bales (see figures).

Do not tighten with ropes (this causes tender spots through which water could penetrate!)



(4) Take care with seam directions!

Place the fabric in a way that the seams are positioned either

- perpendicular to the stack axis, or
- along the ridge (see figures)

With seams in stack direction (i.e. perpendicular to the slope) water could accumulate and penetrate into the straw!

