

SECURE **WINDBREAKS**

Installation Instructions



Please read these instructions before starting installation. Also view the installation video on our website www.arkagriculture.com

SECURE WINDBREAKS

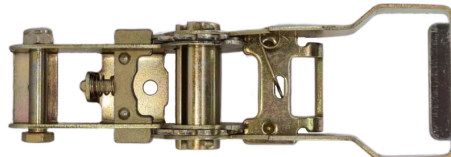
Installation Instructions

Contents:

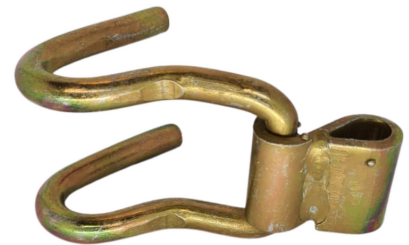
Windbreak	1.5m	2.0m	2.5m	3.0m	4.0m	4.5m
Loop hooks	4	5	6	7	8	9
Ratchet hooks	4	5	6	7	8	9
Ratchet tensioners	4	5	6	7	8	9



Loop hook
(2.5cm)



Ratchet tensioner
(2.5cm)



Ratchet hook
(2.5cm)



Large loop hook
(5cm)



Large ratchet tensioner
(5cm)



Large ratchet hook
(5m)

1. Easy fixing of Secure Windbreaks requires 2 people, sharp scissors and a marker pen.
2. The Secure Windbreak is held in place by webbing straps which run through sleeves sewn to the windbreak material. For standard installation, the sleeves face inwards with the loops on the left-hand side.
3. Thread a loop hook into each loop (Fig 1).



Fig 1. Fitting a loop hook

4. Attach the top hook to the left-hand H-beam (Fig 2), and stretch the Windbreak across the opening to the opposite H-beam.
 - a) If the Windbreak is the correct length for the span, connect the ratchet hook to ratchet and hold in position on right-hand H-beam. Thread the top webbing fixing strap through the ratchet and tension enough to hold in place.



Fig2. Loop hook attached to H-beam

b) If the Windbreak is too long for the opening you first need to adjust it to the required length. Do this by marking the exterior right hand side of the material (Fig 3), then cut vertically through the exterior material (Fig 4) to make a small slit. Pull the webbing strap from the sleeve (Fig 5) and feed into the ratchet.

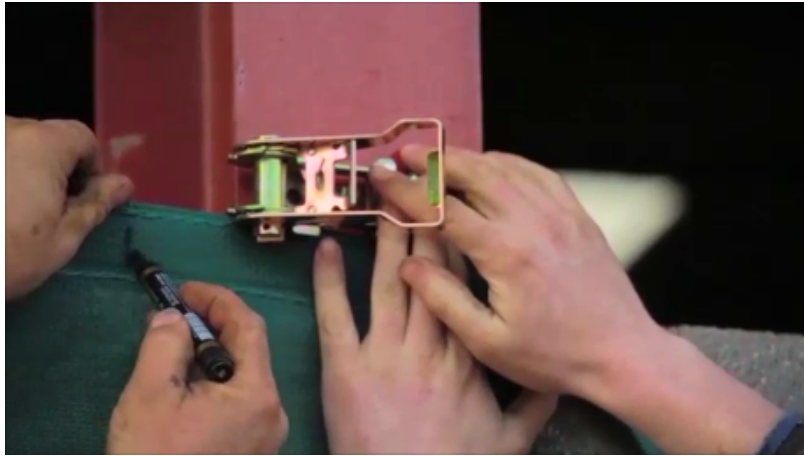


Fig 3. Marking position of cut



Fig 4. Making small vertical slit

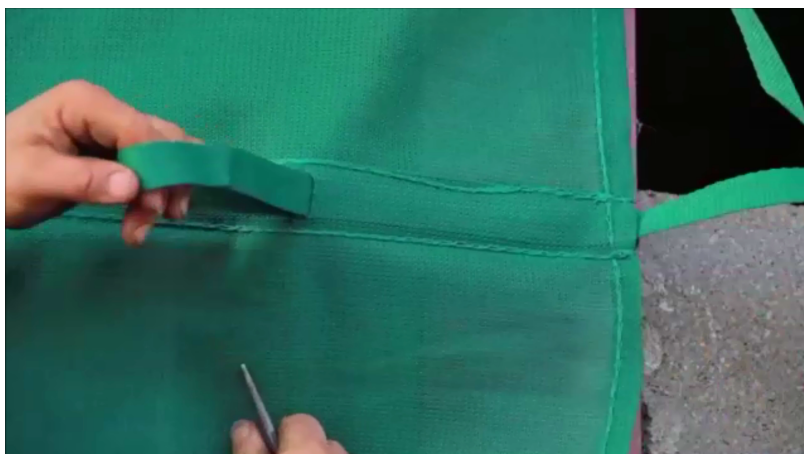


Fig 5. Pulling webbing strap through material

5. Repeat with all the remaining ratchets and straps.
6. When the Windbreak is in its chosen position, tighten all the ratchet tensioners firmly to secure the webbing straps. Do not over tension. Always ensure that the Windbreak material does not get caught up in the ratchet. The Secure Windbreak material is held in place by these tensioned straps. Some wrinkles may be present in the windbreak material but this does not effect its performance and will not disappear by over tightening.
7. Long strap ends should be trimmed back or rolled up and secured behind the ratchet so there are no loose ends hanging. Alternatively they can be tucked into the sleeve.
8. Likewise excess Windbreak material can be trimmed to it (taking care not to cut through straps or sleeves) or can be folded back and secured in place with cable ties to give a neat finish (Figs 6 & 7).



Fig 6. Fixing cable ties

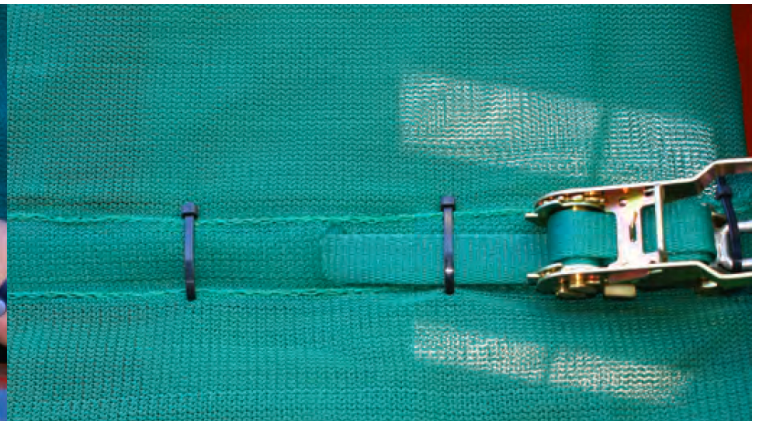


Fig 7. Material folded back and held in place with cable ties

CAUTION

When trimming the Windbreak material at the ratchet strap end do not cut through the webbing fixing strap. When tensioning do not let the Windbreak material run into the ratchet.

9. Secure Windbreaks in Series.



When fitting Secure Windbreaks onto adjacent bays work from right to left as viewed from the exterior of the building. Once the first Windbreak is in place, make small holes either side of the webbing strap at the hook end of this first Windbreak. There is no need to cut the material as a pen or pencil can be pushed through the mesh.

Install the ratchet hook of Windbreak 2 by pushing the hooks through the prepared holes onto the H-beam and then tension the Windbreak as previously described (Fig 8). Repeat for all straps. Alternatively stagger the windbreaks inside and outside (Fig 9).

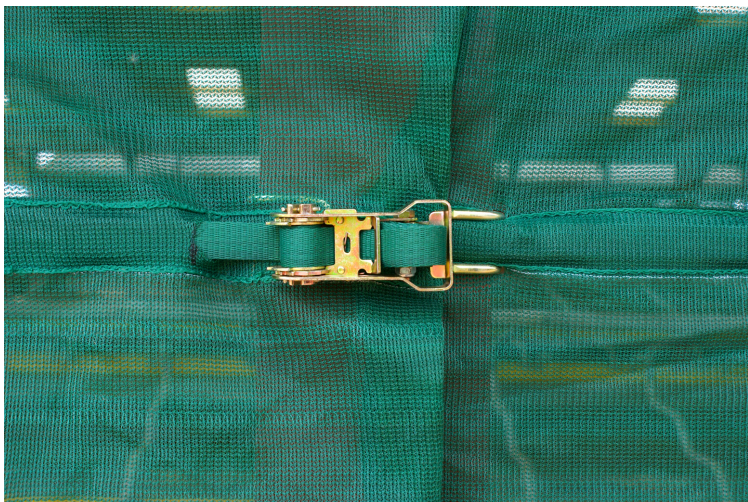


Fig 8. Fixed overlapped Secure Windbreak ratchet tensioners



Fig 9. Windbreaks fitted inside and outside

General Instructions and Tips

Ratchet Tensioning

When fixing a Windbreak in place, make sure that the ratchet barrel is not overloaded with webbing as this will reduce the tension that can be applied. Pull as much of the webbing strap as possible through the ratchet barrel before tensioning.

Removing Secure Windbreaks

1. Pull the release catch on the handle of the ratchet tensioner and open until the ratchet body is flat.
2. Pull the webbing fixing strap through the ratchet tensioner and repeat on all ratchets.

Maintenance

1. It may be useful to lubricate the ratchet tensioners before fixing and then repeat annually to ensure their free operation.
2. Check the hooks and ratchets annually for corrosion. Replace if necessary - call 01588 680661.
3. Maintain tension on ratchets. Check a few weeks after installing and then annually.
4. Secure Windbreak material will not fray or unravel if damaged and can easily be repaired using a repair kit available from ARK Agriculture Ltd.

Secure Windbreaks and Livestock

Position the Windbreaks out of reach of livestock that may chew webbing straps or stitching. Secure Windbreaks are made from a very tough, interlocked material but we cannot be held responsible for damage caused by livestock chewing straps or stitching.

Installing Windbreaks during high winds is not recommended as it could cause injury to the installer.



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