

Quinn Wrap – Instructions for Use

Technical Information

Quinn Wrap is formulated for use at 50%-70% maximum pre-stretch. It is advisable to reduce the pre-stretch to 50% in the event of extreme temperatures. Some smaller applicators may require a pre-stretch of less than 55%.

Health & Safety During Application

Health and Safety requirements should be observed at all times. Use of PPE is recommended, especially the use of suitable ear defenders. Stand at least 10ft away from the applicator during the wrapping process. Do not allow unauthorised persons, especially children, to have access to the applicator or stacked bales, as risk of death is possible.

Storage & Handling Conditions for Quinn Wrap

- Do not damage reels during handling, in particular the reel edges, as this can cause unwinding problems.
- Store reels on their ends out of direct sunlight in a suitable dry location.
- Storage conditions are recommended at 17-22°C. Ensure reels are kept in their boxes at all times prior to use.
- Reels left on the applicator should be protected from moisture by using a suitable cover. We recommend that this product is used within two years of purchase

Application of Quinn Wrap

- Wrap within 2-3 hours of baling.
- It is recommended to wrap the bales where they are to be stacked.
- Ensure that the bales are well shaped, dense, and ideally between 25-35% dry matter (DM). For haylage, up to 60% DM.
- Square bales must be straight sided as any concave surfaces will produce air pockets when wrapped and possible spoilage
- Ensure that the applicator is set correctly for the required film width and bale size.
- Ensure that the pre-stretch unit (PSU) rollers are thoroughly and regularly cleaned to remove any sticky residue, dust, etc, in accordance with the applicator manufacturer's recommendations.

- Load the bale, and place the film reel on the PSU so that the outer surface of the film will face inwards towards bale when it is applied.
- Adjust the height of the PSU where possible so that the centre point of the reel and bale are horizontally aligned.
- Thread and attach the film as per the applicator instructions.
- To ensure proper wrapping of the bale, count the number of turntable revolutions required to cover the bale once. Then add one turn, and multiply by two. (2+2 method).
- Important - an increase in the bale size or irregularity in bale shape will result in more turntable revolutions being required.
- Apply a minimum 4 layers of film to all areas of the bale, using the above 2 + 2 method, with a minimum of 50% overlap. Where DM levels exceed 40%, or square bales are being wrapped, a minimum of 6 layers of film should be applied (2+2+2 method).
- Final width of film as measured on the flat end of a round bale should be as follows;
 - 500mm film → 380mm – 410mm
 - 750mm film → 580mm – 610mm.
 - For 250mm or 360mm film, reduction in width should not exceed 20%.
 - Should film width vary significantly outside these limits, stop wrapping and determine the reason.
- Please ensure that no holes or splits are present in film on bales prior to stacking. If so, apply extra film. Holes or splits through all film layers indicate either bird or mechanical damage, or insufficient film applied and are not due to film faults.

Bale Stacking

- Stacking sites should be dry, level and located away from potential sources of damage such as trees and hedgerows, and free from sharp objects, such as stones.
- Store away from any water courses: specific advice is available from the local water authority.
- Stack bales as soon as possible after wrapping. Not recommended after 12 hours. Use purpose-built equipment only. No spikes.
- Maximum stack height of 3 bales. Bales of low DM should not be stacked.
- Any damage to the bales should be covered with a suitable UV-stabilised tape.
- Important - Even minor damage to film can result in spoilage to fodder.

- Protect the bales from birds by first placing a layer of tyres over the top of the stack, and then applying a close-woven polypropylene net, secured at ground level
- Fence off the stack to prevent damage by livestock.
- Provide suitable vermin control measures around the perimeter of the stacking site.
- Inspect the stack regularly, and repair any damage immediately.
- Feed the bales within 12 months of wrapping.

Precautions to be taken with finished bales

- Store the film and bales away from harmful chemicals such as fertilisers and mineral oils which can cause rapid film degradation.
- Avoid using netting or twines that can react with polyethylene, e.g., some types of sisal twine.
- Avoid wrapping in rainy conditions, as this may impact on the cling properties between the layers of film.
- Do not wrap bales which have been treated with a sulphur-based additive.
- Remove any visible spoilage within the bale on opening, before feeding to livestock. Fodder which contains spoilage must not be fed to breeding stock or horses.
- Wrapped bales should be stored for one season only, and no more than 12 months from the date of application of the film to the bale.

High Dry Matter (DM) Bales

When wrapping bales of very high DM (above 50%), e.g. haylage for horses, it should be remembered that the fermentation process which normally consumes any remaining oxygen within a moist silage bale is usually very slow or even non-existent. This means that irrespective of how many additional film layers have been applied, the continuing presence of oxygen may well allow the development of moulds etc. and consequent spoilage. The use of a suitable additive at baling may help in these circumstances. Forage containing spoilage must not be fed to livestock, in particular horses and all breeding stock.

Disposal of Used Quinn Wrap

Dispose of used film in an environmentally appropriate manner. Quinn Wrap can be recycled or incinerated as an energy resource where appropriate facilities exist. Do not set fire to this film, especially near livestock or populated areas due to the potential release of toxic chemicals.

Bale Wrap Warranty

If you are dissatisfied with any Quinn Wrap reel either before or during wrapping, do not use. Replace in original box and contact your supplier with full details of your complaint within 14 days.

QUINN-packaging is happy to replace any film found to be at fault. However, due to the plethora of possible causes of poor quality forage, which are beyond the control of QUINN-packaging, the liability of the latter is restricted to film replacement only and claims cannot be accepted for consequential loss.