

Case Study:

SUVI, Nousiainen, Finland.



Jussi Jolinen, Hannu Härmälä & Hannu Nylund are three enterprising Finnish Contractors who together, developed SUVI, a successful haylage production business located in Nousiainen, Western Finland. Their highly productive operation produces 13,000 large square bales (80 x 90 x 155cm) in addition to 1000 small square bales (80 x 90 x 100 cm) annually using 2 Krone balers, a McHale 998 balewrapper and a Taarup balewrapper.

Back in 1997, with several years' experience of producing their own haylage, Jussi, Hannu and Hannu established the SUVI business to meet the growing demand for high quality haylage from a variety of equine centres including several racing stables. In 2007 they began to supply haylage across Finland via the Hannkija shop network in addition to supplying customers in Sweden and the United Kingdom. Their excellent customer service and the high quality of their haylage products was acknowledged by Hannkija when it awarded the business a 'Best Co-op Company' award.

The SUVI high-quality haylage range, grown from a comprehensive Timothy seed mixture, is specially designed to meet the nutritional needs of horses. SUVI haylage can be produced with dry matter content between 60-80% and protein levels from 5-12% to meet the exact nutritive requirements specified by customers.

Whilst the most intense phase of SUVI's operations takes place during the grass harvest period (usually around early July in Finland) preparations commence several months earlier with soil analysis, a meticulous fertiliser programme and the development of a field cutting plan.

During the harvest window, SUVI employs 15 seasonal workers in order to ensure completion of the 500+ hectare yield at the optimum grass maturity stage. Whereas a period of 24 hours is usually allocated for wilting between cutting and wrapping, it has been known to cut and wrap in the same day during warmer weather conditions. Throughout this peak time, the business uses circa 200 reels of Silotite per day – at 20 reels per hour this means the operators get through a reel of Silotite every 3 minutes!

Upon production each bale is stamped to ensure full traceability to an individual field. Additionally every stage of the bale production process is supported with documentation and forage quality is monitored through a laboratory analyses of every 7th sample.

The business has used Silotite stretchfilm for many years and has found it to run consistently well on its balewrappers. Applied at 55%-60% stretch Silotite has provided excellent puncture resistance for the drier haylage crop and has produced well shaped, dense bales which averagely

weigh 370kgs-380kgs. Densely packed bales are important both in terms of oxygen expulsion and in reducing the cost of transport per kilo. Whereas most bales are wrapped with white stretchfilm, green film is used as an alternative to identify particular bales from time to time. Bales are moved within 12 hours of wrapping and stacked in the yard area.

To enhance haylage quality, each bale is wrapped with 16 layers of Silotite which means that 8 bales are produced from each reel. The application of 16 layers also minimises temperature variations within the bale and enables the bales to better withstand several rounds of handling from production to storage and shipment. Stock is rotated regularly with each season's crop being fully shipped by the following May.

Customers with exacting feed requirements - for example racehorse owners - can have their forage supplied from a particular bale stack in order to ensure there is no variation in feed quality.

As users of haylage, Jussi, Hannu and Hannu understand the importance of forage quality and bale ease-of-use. Silotite has always protected their crop well during the storage period and when it comes to opening the bales they have found Silotite to open and peel from the bale quickly and cleanly.

The seal of excellence



Silotite – The ideal choice for trouble-free balewrapping

› Suitable for all balewrappers

Silotite 5 Layer technology balewrap is suitable for use on all types of balewrappers including modern, complex machinery. Its consistently reliable, trouble-free performance enhances wrapping efficiency and throughput.

› High puncture & tear resistance

The exceptional puncture and tear resistance of Silotite 5 Layer technology balewrap enables the film to cope well with the impact of the shoots and stalks associated with stemmy forage crops used for silage and haylage.

› Greater resistance to oxygen ingress

The need to create the best possible air barrier is paramount to good crop fermentation. Thanks to its 5 Layer construction Silotite provides a highly effective barrier that impedes oxygen ingress.

› Consistently good elasticity

Silotite 5 Layer technology balewrap has the high strength and flexibility to retain good bale shape post wrapping and throughout the storage period.

› Optimum adhesion level

Silotite's optimised adhesive seals the bale effectively to help generate ideal anaerobic conditions. As well as enabling day and night wrapping this effective adhesive leaves almost no residue on the pre-stretch rollers.

› UV protection in all climates

Silotite is manufactured to suit the various climatic conditions of the world. This ensures that Silotite can withstand extremes of temperature to keep bales safe and secure during storage.

› Certified to SP Standard

Silotite has been assessed and certified under SP Certificate number: 14 23 01 by the SP Technical Institute of Sweden – a leading international research institute. Certification involves a comprehensive examination of both the manufacturing processes and the finished product to ensure rigorous production standards.

› Environmentally friendlier

Silotite is 100% recyclable. It can be recycled for use in a range of products from refuse sacks to street furniture. Additionally, it can be reprocessed for energy where incinerator facilities exist.

Technical specifications

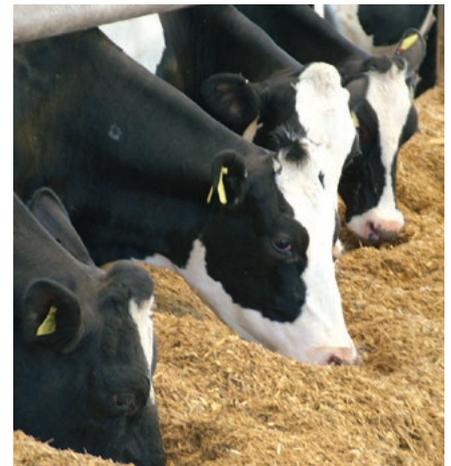
Width (mm)	Thickness (µm)	Length (m)	Pallet Dimensions (cm)	Reels per Pallet (pcs)	Pallet Height (m)
250	25	1800	112 x 112	64	± 1.28
360	25	1500	100 x 125	80	± 1.65
500	25	1800	108 x 108	48	± 1.65
750	25	1500	100 x 125	40	± 1.65
1000	25	1200	80 x 120	15	± 1.50

Silotite is manufactured in ISO 9001, ISO 14001 and OHSAS 18001 accredited manufacturing facilities.

Silotite is available in:

Black		Green	
White		Olive	

In the unlikely event of a problem each reel of Silotite is individually labelled to ensure 100% traceability.



The seal of excellence

www.silotite.com

