

CARR'S
BILLINGTON



THE *CARR'S BILLINGTON*
EPICROP PRODUCT RANGE

WHAT WE DO

Zeus **EPICROP** manufacture high performance Silage Stretch Films & Silage Sheets, Bale Netwrap, Baler Twines, and specialist films for Baling to protect, conserve & maximise feed quality as well as complete supply chain solutions with storage & logistics across 50 locations.

EPICROP offer bespoke commercial solutions to support customers which include: Working capital & Risk management, Product Training & Technical Support, Tailored Marketing Support & Business Planning, End User Sales Support, Innovation with Baler & Wrapper Manufacturers.



RESPONSIBLE AGRI PACKAGING

Zeus **EPICROP** is committed to providing innovative, sustainably manufactured products to our customers around the world. We work with our suppliers to source the highest quality, most responsibly produced raw materials for our full range.

Zeus is a proud member of the *Irish Farm Film Producers Group*, Ireland's national farm plastics recycle scheme. The IFFPG works with farmers to provide easily accessible plastic recycling services, reducing the amount of used agricultural films sent to landfill.

We also work with other recycling schemes in other markets around the globe, including the Green Tractor scheme in the UK, to ensure responsible disposal of our products.

Some of our **EPICROP** stretch film is manufactured using 30% recycled materials, so our customers can be assured that they are

reducing their carbon footprint without sacrificing the quality of the film and the security of their fodder.

Additionally, some of our **EPICROP** netting products are manufactured from 100% recycled materials.

At Zeus **EPICROP** we continue to invest heavily in research and development to ensure we continue to provide new, environmentally friendly solutions to market.



EPICROP BALE WRAP

EPICROP Agri Wraps are 7 layered films manufactured on seven multi-layer co-extrusion lines, resulting in much stronger puncture resistance compared to the single, three and five layer processes used in limited and low target markets.

Plastic extrusion is a high volume manufacturing process in which raw plastic material is melted and formed into a continuous profile. One of the most common methods of film manufacture is Blown Film Extrusion. This process involves extrusion of a plastic through a circular die, followed by 'bubble-like' expansion. The principal advantage of manufacturing film by this process is stronger puncture resistance.

The multi-layer film ensures an enhanced management of raw process materials

and optimised additive distribution in every layer, thus increasing film physical and mechanical properties.

Epic features multiple layers of co-extruded blown stretch film developed with high performance advanced polymers, manufactured using the latest state of the art extrusion production systems. The result is a consistently reliable, high quality, high performing film.



OUR EPIC BALE WRAP RANGE IS THE STRONGEST AND MOST TECHNICALLY ADVANCED WRAP ON THE MARKET, USING THE BEST C8 RESINS AVAILABLE.



EPICROP

Our EPICROP Film features unparalleled strength and resistance due to the advanced LLDPE (Linear Low-Density Polyethylene) C8 Octane Polymers used in its construction

Key Benefits

The Molecular Structure of the film provides gives excellent performance in both longitudinal and transverse directions, particularly important when baling square bales, where corners are very aggressive.

- The 7 layers provide extra protection and improved puncture resistance
- High stretch capability
- Maximum adhesive additives guarantee air and water resistance between the layers, providing excellent silage fermentation
- Minimum losses of Carbon Dioxide (CO₂) and Oxygen penetration (O₂)
- UV Stabilized for 1 year
- High impact, water resistance cardboard cores
- Fully recyclable

Colour	Black / Green / White
Roll length	1,500m
Width	750mm
Micron	25mu
Layers	7
Rolls per pallet	40

ENVIRO PLUS

Key Benefits

- Up to 6 extra bales per roll
- Wrap with 6 Layers with no extra cost
- 7 Layer gives super strength and excellent O2 barrier properties
- Unbeatable price per bale
- 25% extra length per roll

Colour	White / Green
Roll length	1,900m
Width	750mm
Micron	21mu
Layers	7
Rolls per pallet	32



EPICROP - PURPLE

The Molecular Structure of the film provides gives excellent performance in both longitudinal and transverse directions, particularly important when baling square bales, where corners are very aggressive.

Key Benefits

- The 7 layers provide extra protection and improved puncture resistance
- High stretch capability
- Maximum adhesive additives guarantee air and water resistance between the layers, providing excellent silage fermentation
- Minimum losses of Carbon Dioxide (CO2) and Oxygen penetration (O2)
- UV Stabilized for 1 year
- High impact, water resistance cardboard cores
- Fully recyclable

Colour	Purple
Roll length	1,500m
Width	750mm
Micron	25mu
Layers	7
Rolls per pallet	40



Each roll sold includes a donation to **Well Child**, a UK Charity, providing practical and emotional support to seriously ill children and their families.



ZWRAP

Our ZWRAP boasts excellent strength and oxygen resistance.

Key Benefits

The Blown Film technology gives excellent performance in both longitudinal and transverse directions, particularly important when baling square bales, where corners are very aggressive.

- UV stabilisation protection
- Up to 7 Layer construction gives greater resistance to oxygen ingress
- Consistent trouble-free wrapping
- Great value for money, elasticity UV stability and the ability to cling in all circumstances

Colour	Black / Green / White
Roll length	1500m
Width	750mm
Micron	25mu
Layers	5 - 7
Rolls per pallet	40



SMART WRAP

Smart Wrap is up to 7 layers and guarantees high performance at a competitive price that offers a cost-effective wrapping solution. In order to provide the ideal ensiling environment balewrap needs to offer a number of important elements such as strength, puncture and tear resistance, elasticity, UV stability and the ability to cling in all circumstances.

Key Benefits

- U.V Protection
- Greater Mechanical Strength
- Tighter Tolerances Improved
- Oxygen Resistance Better
- Adhesion

Colour	Black / Green
Roll length	1500m
Width	750mm
Micron	25mu
Layers	5 - 7
Rolls per pallet	40



EXCLUSIVE TO CARRS BILLINGTON

TOTAL COVER PLUS FEATURES AND BENEFITS LEAD TO FEWER ROLLS AND LESS BALING TIME

TOTAL COVER PLUS

Total Cover Plus is manufactured using the latest developments in net technology. It offers the user a full range of features and benefits which leads to fewer rolls and less baling time.

The raw materials and production methods used provide users with a greater net strength of 11.5 grams giving max breaking strain of 310kg and improved protection from the elements.

Key Benefits

- Full Bale coverage
- High strength
- End warning system
- Guaranteed minimum length
- Consistent and trouble-free baling.
- UV stabilisation.
- Visual Left Right Indicator

Roll length	3,600m
Width	1.23m
Breaking strength	310kg
Rolls per pallet	28

	Silage	Hay	Straw
Standard usage	2.5	3.5	4.5
High UV	3	4	5.5



BLUE NET (30% RECYCLED)

Blue Net (30% Recycled) 3,600m has proven to consistently deliver all of the performance criteria demanded by contractors for all baling conditions. It not only delivers you guaranteed length and full bale coverage, but also competitive prices which ensure customer satisfaction.

Blue Net (30% Recycled) is manufactured using the latest developments in net technology. It offers the user a full range of features and benefits which leads to fewer rolls and less baling time.

Key Benefits

- Full Bale coverage
- High strength
- End warning system
- Guaranteed minimum length
- Consistent and trouble-free baling.
- UV stabilisation.
- Visual Left Right Indicator

Roll length	3,600m
Width	1.23m
Breaking strength	290kg
Rolls per pallet	28

	Silage	Hay	Straw
Standard usage	2.5	3.5	4.5
High UV	3	4	5.5



STACK NETTING

These silage protection woven nets provide the most economic method of protecting polythene film, stretchwrap or bags from damage by birds, poultry, cats, foxes etc.

Roll length	750m
Width	1.5m

EPICROP BALING TWINE

Our comprehensive range of high quality Baling Twine suitable for use on the most advanced baling machinery throughout the season.

In order to achieve such high quality, our twine is manufactured with an emphasis on the fibrillation which is crucial to achieve a high performing twine.

Fibrillation is achieved during the manufacturing process by passing the extruded tape through a fibrillation roller before being converted into a twisted twine. This process brings softness and flexibility to the twine that is essential to achieving the optimum performance and knot creation. Fibrillated twine can be

recognised by the mesh like appearance that can be seen when the twine is stretched.

Manufacturers who only stripe the twine cannot reach the same level of softness or flexibility as seen in Epicrop twine. All our twine is thoroughly tested to ensure performance is maximised under specified conditions.



VENOM HD+

Colour	Red
Tensile strength	450kgf
Knot strength	305kgf
Runnage	107m/kg
Length	3,600ft
Rolls per pack	1



AVANTI

Colour	Purple
Tensile strength	170kgf
Knot strength	75kgf
Runnage	325m/kg
Length	10,000ft
Rolls per pack	2



COBRA BIG SQUARE

Colour	Blue
Tensile strength	398kgf
Knot strength	256kgf
Runnage	132m/kg
Length	7,200ft
Rolls per pack	2



DAYTONA

Colour	Orange
Tensile strength	135kgf
Knot strength	63kgf
Runnage	390m/kg
Length	12,000ft
Rolls per pack	2



VECTOR

Colour	Orange
Tensile strength	110 kgf
Knot strength	75kgf
Runnage	1000m/kg
Length	22,300ft
Rolls per pack	2



EPICROP SILAGE SHEETS

Our innovative range of Silage Sheets will provide you with the best available clamp management solution. Good management of your silage clamp will ensure forage stocks are protected, air is eliminated, reducing waste and allowing the ensiling process to transition crop into high quality forage for your animals. Forage quality will directly impact milk yields and live weight gain in your dairy and beef herd.



EPICROP BLACK SUPER 7

Epicrop Black Super 7 is a seven-layer, super-strong silage sheet that is made to last. Made with virgin polymers and gauge guaranteed.



EPICROP SILO SEAL AND SIDE WALL FILMS

Side wall films serve the dual purpose of protecting your pit and contributing to the optimal ensiling environment.

Epicrop Silo Seal is a unique innovative 40mu sheet that provides added protection.

Key Features

- Transparent Silage Cover.
- Gauge Guaranteed.
- Virgin Polymers.



MAX2SILAGE

The unique construction process utilised by Max2Silage ensures that a tight air barrier is formed, preventing spoilage and encouraging fermentation.

Key Features

- Superstrong Virgin Cover as Header
- 115mu + 40mu = Total 155mu
- Total Dart Test 1000 (800+200)
- 100% Virgin Grade Material Used
- EVOH Complete O2 Barrier
- Absolute O2 Barrier
- Perfect Silage Preservation

Max2Silage combines our seven and five layer films into one high performance product. It comprises a virgin cover with an oxygen barrier cling film.

It uses an EVOH underlayer as LDPE plastics are permeable to oxygen (Oxygen breaks down the nutrients and sugars which leads to poor silage). This underlayer prevents air pockets, leading to good fermentation and reduced spoilage. Max2Silage is easy to install and 100% recyclable.

