

Zeus

We Make. We Supply. We Deliver.



ZeusEPICROP

Experts in our field

Manufacturing/ Contract Manufacturing

Bale Wrap

- Blown extrusion.
- Reference standard NP EN ISO. 9001:2008. Flexible low density polyethylene.
- Windmüller (7 layers).
- Reiffenhauser (5 layers) x 2 lines.
- 12,000 tonnes annually.

Bale Netting

- The largest producer of net products in the world.
- 1 million rolls of bale net annually.
- KARL MAYER machines.

Baling Twine

- 20 machines.
- Italian made Sima machines.
- German made Barmag machines.
- 36,000 tonnes annually.
- All types of twine produced: Big bale, medium, hay & fine.
- ISO 9001:2008 - quality certs.

Silage Sheets

- Specification labeled on each sheet.
- Virgin polymers.
- O2 impermeability 24 hours.
- Flexibility to adhere to silage.
- High puncture /tear resistance.

Silage Tape

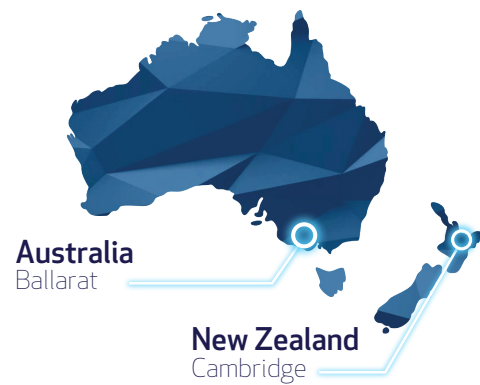
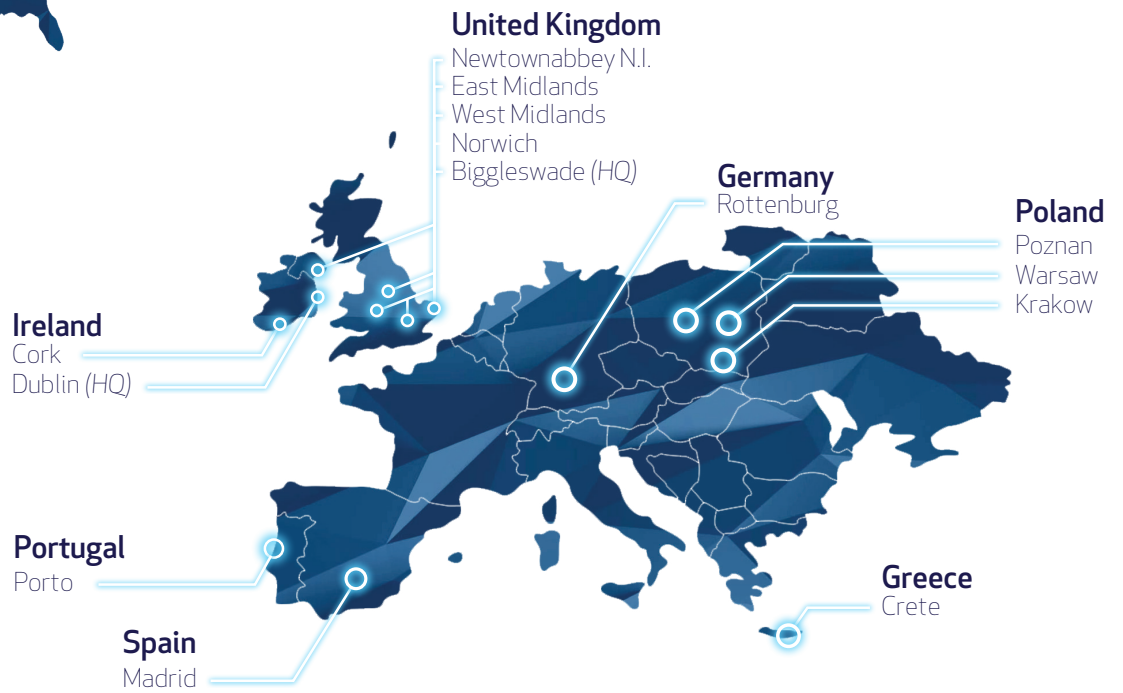
- Epicrop Silage Tape is high strength, strong adhesive PVC tape.

Grain & Silage Bags





We provide premium crop packaging solutions to the agricultural world.



Operations in:

Dublin | Cork | Belfast | UK | Spain | Poland | Germany
Portugal | Greece | China | Australia | New Zealand | Canada

Epicrop Bale Wrap

Our agri film is manufactured by five and seven multi-layer co-extrusion lines, resulting in much stronger puncture resistance compared to the single and three layer process used in limited and low target markets.

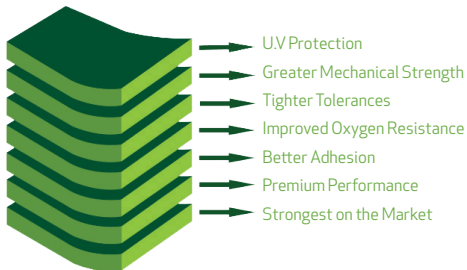
Plastic extrusion is a high volume manufacturing process in which raw plastic material is melted and formed into a continuous profile. One of the most common methods of film manufacture is Blown Film Extrusion. This process involves extrusion of a plastic through a circular die, followed by 'bubble-like' 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 7

The **Strongest** and most technically advanced wrap on the market.

EPIC 7 is a **7 layer co-extruded blown** stretch film developed with high performance advanced polymers, manufactured using the very latest state of the art 7 layer extrusion production Systems.



EPIC 7 Specification	
Brand name	EPIC 7
Colour	Black/Green/White
Roll length	1500m
Width	500/750mm
Micron	25mu
Layers	7
Rolls per pallet	40



EPIC 5

With a **5 layer technology**, all the mechanical aspects of a bale wrap are maximised resulting in a consistently reliable, high quality, high performing film.

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.



EPIC 5 Specification	
Brand name	EPIC 5
Colour	Black/Green/White
Roll length	1500m
Width	500/750mm
Micron	25mu
Layers	5
Rolls per pallet	40



ENVIRO PLUS 1900

ENVIRO PLUS 1900 Specification

Brand Name	ENVIRO PLUS
Colour	Black/Green/White
Roll Length	1900m
Width	750mm
Micron	21mu
Layers	7
Rolls per pallet	32

- ✓ 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.



ZWRAP

ZWRAP Specification

Brand Name	ZWRAP
Colour	Black/Green/White
Roll Length	1500m
Width	750mm
Micron	25mu
Rolls per pallet	40

- ✓ Greater strength and cling.
- ✓ UV stabilisation protection.
- ✓ Greater resistance to oxygen ingress.
- ✓ Consistent trouble-free wrapping.
- ✓ Great value for money, elasticity, UV stability and the ability to cling in all circumstances.



EPIC 5 - PURPLE

EPIC 5 PURPLE Specification

Brand Name	EPIC 5
Colour	PURPLE
Roll Length	1500m
Width	750mm
Micron	25mu
Layers	5
Rolls per pallet	40

- ✓ Greater strength and cling.
- ✓ UV stabilisation protection.
- ✓ Greater resistance to oxygen ingress.
- ✓ Consistent trouble-free wrapping.
- ✓ Great value for money, elasticity, UV stability and the ability to cling in all circumstances.

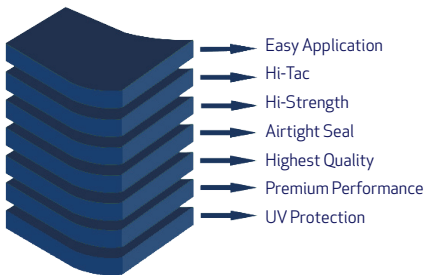




POWER CO-EX 7

Power CO-EX 7 is a premium 7-layer new generation film manufactured to the highest specifications.

With **7 layer technology**, all the mechanical aspects of a bale wrap are maximised resulting in a consistently reliable, high quality, high performing film.



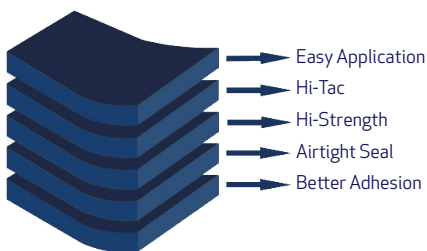
POWER CO-EX 7 Specification	
Brand Name	POWER CO-EX 7
Colour	Black/Green
Width	750mm
Length	1500m
Micron	25mu
Layers	7
Rolls per pallet	40



POWER CO-EX 5

Power CO-EX 5 is a premium 5-layer new generation film manufactured to the highest specifications.

With **5 layer technology**, all the mechanical aspects of a bale wrap are maximised resulting in a consistently reliable, high quality, high performing film.



POWER CO-EX 5 Specification	
Brand Name	POWER CO-EX 5
Colour	Black/Green
Width	750m
Length	1500mm
Micron	25mu
Layers	5
Rolls per pallet	40



POWER CO-EX

POWER CO-EX Specification	
Brand name	POWER CO-EX
Colour	Black/Green
Width	750mm
Length	1500m
Micron	25mu
Rolls per pallet	40

- ✓ Easy Application.
- ✓ Hi-Tac.
- ✓ Hi-Strength.
- ✓ Highest Quality.



EPICROP SILAGE TAPE

A **high strength**, strong adhesive PVC Tape which can be used throughout many different areas on the farm.

SILAGE TAPE Specification	
Brand name	SILAGE TAPE
Colour	Black
Roll length	20m
Width	75mm
ROLLS PER BOX	24



Baling Twine

Our EPICROP range of high quality twines is produce using the latest technology extruders. The features of this best selling range include:

VENOM HD+

VENOM BIG SQUARE Specification	
Brand name	VENOM BIG SQUARE
Code	TW01
Colour	Red
Tensile strength	450kgf
Knot strength	305kgf
Runnage M/Kg	107
Spools per pack	1

VENOM HD+ Compatible Baler Models:

Claas: Quadrant 3400, 5200

Krone: Big Pack 1290 HDP, Big Pack 1290 HDP II

Kuhn: LSB 1290 ID

Massey Ferguson: MF2270XD, MF2370UHD



COBRA

COBRA BIG SQUARE Specification	
Brand name	COBRA BIG SQUARE
Code	TW02
Colour	Blue
Tensile strength	398kgf
Knot strength	256kgf
Runnage M/Kg	132
Spools per pack	2

COBRA Compatible Baler Models:

Claas: Quadrant 3200, 3300, 4200

Claas: 8580/8590, LB434, LB424, CB40, CB50

Krone: Big Pack 2190, Big Pack 4x4, Big Pack 1270, Big Pack 1270 Multibale

Kuhn: LSB 1290, LSB 1270

Massey Ferguson: MF2260, MF2270, MF2290

New Holland: Big Baler 1290, BB 9090

John Deere: 690, 1424, 1434

Hesston: 4480, 7434, 7444

Vicon: LB1270, LB1290



AVANTI

AVANTI SMALL SQUARE Specification	
Brand name	AVANTI SMALL SQUARE
Code	TW03
Colour	Purple
Tensile strength	170kgf
Knot strength	75kgf
Runnage M/Kg	325
Spools per pack	2



DAYTONA

DAYTONA SMALL SQUARE Specification	
Brand name	DAYTONA SMALL SQUARE
Code	TW04
Colour	Orange
Tensile strength	135kgf
Knot strength	63kgf
Runnage M/Kg	390
Spools per pack	2



VECTOR

VECTOR BIG ROUND Specification	
Brand name	VECTOR BIG ROUND
Code	TW05
Colour	Orange
Tensile strength	110kgf
Runnage M/Kg	1000
Spools per pack	2



Tensile Strength & Knot Strength

It is a bit of a misnomer, the measurement of a twine's overall performance citing length or knot strength. The true overall strength performance of a twine is a combination of the tensile strength and the knot type. The tensile strength is the strength in Kilogram Force (Kgf) at which a single, un-knotted, length of twine will break. We proudly emblazon our packaging with these strengths so that customers can make an informed decision.

Different makes and models of baler employ either the Cormick (loop) knot or the Deering knot and both have a measured effect on the overall strength of a knotted length of twine.

The Cormick Knot

This type of knot, popular with Claas Quadrant and Welger big balers. This knot typically retains 75% of the twine's original tensile strength.

The Deering Knot

This type of knot is perhaps the more popular type in most makes of baler. This knot typically retains only 55% of the twine's original tensile strength.

Bale Net

Gold BaleNet 3600m has proven to consistently deliver all of the performance criteria demanded by contractors for all baling conditions.

Gold BaleNet 3600m not only delivers you guaranteed length and full bale coverage, but also competitive prices which ensure customer satisfaction.

GOLD BALE NET

Epicrop Gold 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.

Gold Bale Net provides users with the highest quality, highest resistance and maximum strength bale net on the market today. It gives 310kg breaking strain which is the strongest in the world.

GOLD BALE NET Specification

Brand name	EPICROP GOLD
Colour	Gold
Roll length	3600m / 4200m
Width	1.23/1.25m / 1.30m
Breaking Strength	310kg
Rolls/pallet	28



Why Epicrop Bale Net is better than cheap Bale Net

Epicrop Bale Net:

- ✓ Full Bale coverage performance.
- ✓ High strength to cope with the heaviest of bales.
- ✓ End warning system that alerts operator when there is only 50m remaining.
- ✓ Guaranteed minimum length ensures value for money.
- ✓ Consistent and trouble-free baling.
- ✓ UV stabilisation.
- ✓ Visual Left Right Indicator facilitates easier handling

Cheap Bale Net:

- ✗ Leaves shoulders which lead to trapped air leaving mould on the silage.
- ✗ Cheap netwrap will only work on some baler types.
- ✗ Tearing on hay and straw.
- ✗ Fewer bales per roll as more bale net is required to keep bale together.
- ✗ Leads to customers holding you accountable for poor quality bales!

POWERTITE

Powertite is a **net replacement film** that is made from a 7 layer technology.

As Powertite is made from the same material as Silage Wrap, no separation is required after use from your Silage Wrap. Both Silage Wrap and Powertite can be recycled together.

POWERTITE Specification

Brand Name	POWERTITE
Roll Length	1750m / 2200m
Width	1.38m / 0.75m
Rolls/Pallet	20

Why Powertite?

- ✓ Better oxygen barrier.
- ✓ Less waste. 50% reduction on DM losses (on an actual farm trial).
- ✓ Easier film removal and recycling.
- ✓ 10% denser bales.
- ✓ 66% of the bale covered with 3 or 4 more layers of plastic.



Powertite in use



Silage Sheets

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. Our innovative range of products will provide you with the best solution in clamp management.

EPICROP Black Superstrong

Epicrop Black Superstrong is an extra strong and reliable sheet.

- ✓ Black Silage Cover.
- ✓ Gauge Guaranteed.
- ✓ Virgin Polymers.



EPICROP Green

Epicrop Green is an extra strong sheet that provides added protection from sunlight.

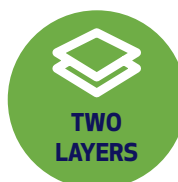
- ✓ Green Silage Cover.
- ✓ Gauge Guaranteed.
- ✓ Virgin Polymers.



EPICROP Combi

Epicrop Combi is a unique innovative two layer sheet that provides double protection.

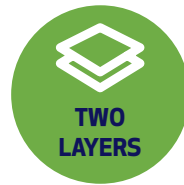
- ✓ White Silage Cover.
- ✓ Gauge Guaranteed.
- ✓ Virgin Polymers.



EPICROP Max2Silage

Epicrop Max2Silage is the latest in silage cover technology, offering a complete 2 in 1 smart silage solution.

- ✓ 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.



How **Max2Silage** works

- Max2Silage combines 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.



Max2Silage forming a tight air barrier, preventing spoilage and encouraging fermentation



Silage sheet integrity is preserved, resulting in a high quality silage



Inferior sheets causing air pockets



Inferior sheet fails, resulting in silage spoilage

Terms & Conditions

1. General

No variation, calculation, waiver of or addition to the contract constituted by our invoice and by conditions of sale shall be valid or approvable unless agreed in writing by Zeus Packaging Ltd.

- Where an order has been taken by an employee or agent elsewhere than at our principal place of business we shall have the right for seven days afterwards to decline the order in whole or in part at our discretion and without being required to give any reason.
- The company accepts to supply on basis of customers written order only, and all special customer specifications must be expressly stated on customers written order and acknowledged expressly on Zeus Packaging Limited invoice by specific cross reference.

4. Delivery date and risk

Any delivery date specified or otherwise given by us is approximate only and any claims arising as a result of our inability to meet any stated delivery date are excluded and there shall be no liability on the company whatsoever. Delivery hereunder shall be sufficient if we or our delivery agents obtain a delivery receipt signed by you or on your behalf. All risk in the goods shall pass to you on delivery as set out above.

5. Claims

- No claim by you for defective goods will be entertained unless notification of such claim is received in writing within 7 days of the receipt of the goods by you. Should such a claim be received by us, it will be considered in the light of all other conditions of this order and without prejudice to any rights we may have under those conditions.
- If, in respect of any one delivery of any goods, several items in excess of normal commercial tolerance are alleged by you to be defective or damaged you will inform us pursuant to the provisions of sub-paragraph (a) above and you shall before the expiration of 7 days of receipt of the goods by you return at your expense one item of the defective or damaged goods for inspection to us. If, thereafter, the goods are accepted by us to be defective or damaged then you will return such defective or damaged items to us and we will either replace the same and credit you with the cost of freight and insurance in returning all defective or damaged items to us or we will credit you with the selling price to you (ex our warehouse) of the defective or damaged items and also the costs of freight and insurance in returning same to us.
- Defective or damaged goods must be dispatched to us within 7 days of our accepting that they are defective or damaged.
- Under no circumstances will we be liable to reimburse you in any way whatsoever for any loss of profits that you may suffer.
- No claim under these conditions in respect of any delivery or part delivery of an order for goods shall entitle you to cancel the remainder of order or contract.
- If a delivery note/proof of delivery is signed clear, unchecked or is unexamined and a subsequent problem with the delivery is discovered, a credit will not be issued. Credits will only be issued if shortages and returns have been noted on the delivery note/ proof of delivery.

6. Title of Goods

Any goods supplied in terms of our invoice remain our property until such time as the contract price together with any interest there on accruing have been paid in full. We retain the right of disposal accordingly and in pursuance thereof you hereby irrevocably grant to us and/or our authorised representative license to enter on any premises of yours on which such goods are kept for the purpose of taking possession of any such goods to which we are entitled hereunder in the event of the contract being canceled by any cause whatsoever. In the event that the goods supplied under this or any other invoices by us have been sold or damaged or otherwise disposed of and the payment date having passed we retain the right to enter any premises of yours and confiscate any similar goods at a unit price to be determined by ourselves.

7. Delay or Cancellation

If any delivery is delayed or canceled by us due to force-majeure, dislocation of manufacture, strikes and lock-up (whether inside or outside our works) or other circumstances reasonably beyond our control it is agreed that we are released from our obligations to supply the goods in terms of this order and that the present order may be delayed or suspended during the continuance of such circumstances or canceled by us at our option. We shall inform you of such circumstances without delay.

8. Set-off

Any monies due or to become due from you shall not be liable to become the subject of any deduction by you or any set-off or counter claims arising out of this or any other order which we may have with you.

9. Withhold of Delivery

If you have not paid us for goods delivered in accordance with these conditions then we shall have the right to hold delivery of any further goods to be supplied by us, whether under the terms of this order or any other order, until you have reduced that amount owing by you to us to such a reasonable level as may be acceptable to us. Any such withholding shall not entitle you to cancel any order or a part thereof.

10. Your Default

If you shall make any default or commit a breach of these conditions or if any distress or execution shall be levied upon your assets, or if you shall make any arrangements or composition with creditors, or commit any act of bankruptcy, or if any petition or receiving order in bankruptcy shall be made against you, or if you are a limited company and any resolution or petition to wind up such company's business (other than for the purpose of amalgamation or reconstruction) shall be passed or presented, or if a receiver of such company's undertaking or assets or any part thereof shall be appointed we shall have the right forthwith to determine any contract then subsisting between us and upon written notice of such determination being posted to you at your last known address any subsisting contracts between us shall be deemed to have been determined without prejudice to any claim or rights we may otherwise make or exercise. In the event of any breach of contract by you as a result of which we incur any legal fees, such proper and reasonable fees are to be borne by you.

11. Availability of Materials

Whilst we shall make every effort to supply in accordance with your order we reserve the right to supply substitute colour and materials of a similar quality and nature in the event of unavailability of material and/or inks.

12. Consequential or Special Damage

We shall not be liable for any consequential or special damage resulting from the supply, delay in or failure to supply or failure of the goods, including without limitations, loss or profits.

13. Indemnity

We shall not be liable for any claims whether brought against you or us at Common Law or under any Statute or otherwise by any person or legal entity arising out of this or any other we might have with you except as provided herein and you shall indemnify us against any such claims and the proper and reasonable costs of any such legal proceedings.

14. Copyright

The copyright in any goods, artwork, designs and plates furnished by us to you, vest in us and the same shall not now without our written consent be disclosed to a third party except in connection with the sale of the goods in the normal course of your business.

15. Enforceability of Terms

In the event of any one clause in this Contract being found by a Court or arbitrator to be void or unenforceable in whole or part then such findings shall in no way effect the validity and enforceability of any other clause or clauses.

16. Governing Law

The order in any contract which may ensue shall be construed and governed in all respects according to Irish Law and the only court having jurisdiction to try any issue hereunder shall be the high Court of Justice in Dublin or such other court in the Republic of Ireland as shall be appropriate.

- Under no circumstances will any claims be entertained for goods which have been cut or processed in any way.

- All specifications on products are subject to manufacturer tolerances +/- 10%.

Purple Bale Charity Initiative

Zeus, in conjunction with local partners, will distribute Silage Wrap & Net Wrap in the unusual colour **Purple**, across Ireland, UK, Portugal, Australia and New Zealand.



We are asking farmers and contractors to show their support to this initiative by creating eye-catching displays with their purple hay bales, then posting their creations on social media with a special competitions

marking the best efforts. We're sure that farmers will get behind this initiative, as every bale wrapped in purple will lead to a donation supporting seriously ill children and their families.

Ireland	UK	Portugal	New Zealand	Australia
 <p>CMRF Crumlin</p>	 <p>WellChild the national charity for sick children</p>	 <p>CHUC CENTRO HOSPITALAR E UNIVERSITARIO DE COIMBRA</p>	 <p>Starship Foundation</p>	 <p>Starlight Children's Foundation Australia</p>



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