

ELECTRO POWER



TEMPORARY FENCING PRODUCTS



STRADBALLY FARM SERVICES LTD.

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Mains Fencers

IMPORTANT INFORMATION ON MAINS FENCERS

How to choose a fencer:

1 Output Joule will drive volts along 6 miles/10 klms of wire in perfect condition.

- Decide on area and type of land to be fenced.
- The type of stock to be controlled.
- Choose a fencer larger than required to allow for fence additions.

How to erect a fencer:

- Erect fencer in a cool dry well ventilated shed.
- Erect fencer out of reach of children or animals.
- Connect underground / lead out wire from fencer terminal to fence wire.
- Connect underground / lead out wire from earth terminal to first earth rod.

How to earth a fencer:

- Choose an earth site that is moist and at least 33ft, (10 meters) away from:
- Any earth stake for another electrical system
- Any telephone earth stake.
- Any water pipes including disused water pipes.
- Any building using structural steel or reinforcing metal in the ground.

N.B. Never choose an earth site near a dairy or milking parlour.



EPM 500

- 7.5 stored joules
- 5 output joules
- Fence up to 75 acres
- Power 30 miles/50 km of high tensile wire
- High and low output terminals
- Needs 3 x 5ft earth bars
- EU A11 and A12 compliant

100 Ohms is the resistance caused by heavy vegetation growth on the fence wire.

| Model | Stored Joules | Output Joules | No Load | 500 OHMs | 100 OHMs | 50 OHMs |
|--------|---------------|---------------|---------|----------|----------|---------|
| EPM500 | 7 | 5 | 11200 | 8200 | 4500 | 2700 |

UNDERSTANDING OUTPUT AND STORED JOULES

- Stored joules is the actual joules (horsepower) of energy in the fencer.
- Output joules is the amount of joules (horsepower) available to drive volts along the fence wire.
- Output joules is two thirds of the stored joules and is calculated by dividing stored joules by 3 and multiplying by 2.



EPM 350

- 5 stored joules
- 3.5 output joules
- Fence up to 50 acres
- Power 21 miles/33 km of high tensile wire
- High and low output terminals
- Needs 2 x 5ft earth bars
- EU A11 and A12 compliant

EPM 250

- 4.2 stored joules
- 2.5 output joules
- Fence up to 30 acres
- Powers 15 miles/24 km of high tensile wire
- High and low output terminals
- Needs 1 x 5ft earth bar
- EU A11 and A12 compliant



EPM 100

- 1.5 stored joules
- 1 output joule
- Fence up to 15 acres
- Power 6 miles/10 km of high tensile wire
- High output terminal
- Needs 1 x 5ft earth bar

100 Ohms is the resistance caused by heavy vegetation growth on the fence wire.

| Model | Stored Joules | Output Joules | No Load | 500 OHMs | 100 OHMs | 50 OHMs |
|--------|---------------|---------------|---------|----------|----------|---------|
| EPM350 | 5 | 3.5 | 11000 | 7100 | 4300 | 2600 |
| EPM250 | 4.2 | 2.5 | 10500 | 6700 | 4000 | 2400 |
| EPM100 | 1.5 | 1 | 8600 | 4300 | 1600 | - |

UNDERSTANDING OUTPUT JOULE TECHNOLOGY

The use of low impedance output joule technology ensures that maximum joules is available to drive voltage along the fence wire. When vegetation growth increases on the fence wire or a fault occurs, the output joules in the fencer will rise to meet the extra demand for power. The joules will stay rising until the maximum output joule rating of the fencer is reached. Heavy vegetation growth on a fence wire is normal, therefore, all our fencers are produced to ensure there is adequate voltage on the fence wire to control livestock under heavy vegetation growth conditions.

Battery Fencers



EPB30

9/12 Volt Stripgrazers

- .47 stored joules
- .3 output joules
- Powers 3 miles/4.5 km of polywire and tape
- 3 leg adjustable stand and earth
- 5 point rotary switch for battery save and power control

EPB15

9/12 Volt Stripgrazers

- .25 stored joules
- .18 output joules
- Powers 1.5 - 2 km of polywire and tape
- 3 leg adjustable stand and earth
- 5 point rotary switch for battery save and power control



100 Ohms is the resistance caused by heavy vegetation growth on the fence wire.

| Model | Stored Joules | Output Joules | No Load | 1000 OHMs | 500 OHMs | 100 OHMs |
|--------|---------------|---------------|---------|-----------|----------|----------|
| EPB30 | .47 | .3 | 9700 | 4500 | 3000 | - |
| EPB15 | .25 | .18 | 9500 | 4000 | 2500 | - |
| EPB120 | 1.8 | 1.2 | 10000 | 6500 | 4400 | 1700 |

WHY USE OUTPUT JOULE TECHNOLOGY

Our retention of hedges, moist climate and long growing season means there is more demand for voltage on boundary fence wire than even before. We know the resistance caused by vegetation growth on the fence wire and we know the minimum voltage required to control livestock. Therefore by using low impedance output joule technology we can ensure livestock control under vegetation growth conditions. If you have adequate voltage on the wire to control livestock under vegetation growth, then you have adequate power to control livestock at all times.

12 Volt Battery Fencer



EPB120

12 Volt Wet Cell Battery Fencer.

- 1.8 stored joules
- 1.2 output joules
- Fence up to 15 acres
- Power 6 miles/10 km of wire
- Needs 1 x 5ft earth bars

Solar Fencers

EPS10

Solar Kit for EPB120

- Fencer charged during daylight hours
- Reduces fencer down time while battery is being recharged
- Continuous charge prolongs battery life
- Reliable and cost effective
- Environmentally friendly



EP652

Anti-Theft Set for Metal Battery Case

- Mechanical anti-theft box fits metal box used on all our 12v solar units from 1 - 6 joules
- Set includes:
- Spiral earth (27cm) rod with screw-in assistance and securing bolt
 - Padlock
 - Erection bolts with locking nut
- Makes theft of electric fence energiser with battery carrying case much more difficult

ADVANTAGES OF SOLAR POWERED FENCERS

- Removes cost of replacement batteries
- Battery charged during daylight hours
- Removes problem of recharging batteries
- Continuous charge prolongs battery life
- Is reliable and cost effective
- Is environmentally friendly
- Models available to suit 1-90 acres
- Models to suit tape and polywire
- Models to suit 12½ SWG (2.5mm) Hi Tensile Wire

SB101S

Security Solar Box

- Galvanised unit
- Top quality locking system
- Pull out drawer for your 12v tractor battery and fencer
- Suitable for 15w, 25w and 45w solar panels



SB100M

Security Box

- Protects your mains fencer



EP19

9 Volt Battery

- 9 Volt
- 55Ah Battery
- Suits old PEL19 fencer



EP20

9 Volt Battery

- 9 Volt
- 90Ah Battery

EP21

7.5 Volt Battery

- 7.5 Volt
- 90Ah Battery



EP22

9 Volt Battery

- 9 Volt
- 130Ah Battery

PAR30

Fence and Battery Leads

- With ring connector



PAR32

Fence Leads

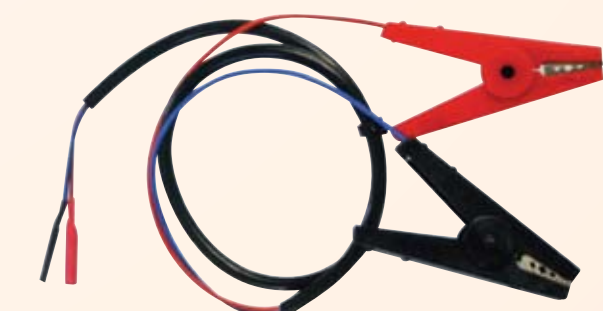
- With spade connector



EP32

12v Battery Leads

- For use on 12v compatible battery fencer



EP6

Fence Tester



- Ergonomic design
- Shows the voltage in 6 levels
- No batteries required
- For exact measurements at the fence

EP16

Digital Voltmeter



- To accurately measure voltages of between 0 and 9,900 volts at the fence
- Includes 9V block battery

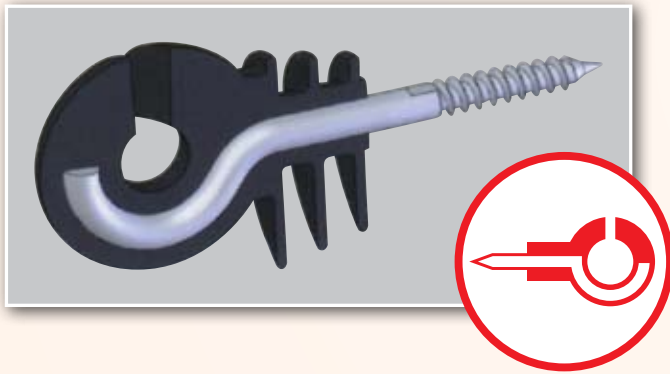
Insulators & Accessories

EP24

Super Screw Insulator



- Pack of 25 (EP24/25)
- Pack of 50 (EP24/50)
- Tub of 125 (EP24/125)



The robust insulators with metal cores

- With continuous solid 6 mm support
- Twice as easy to screw in as standard supports; the wood is "cut" not "displaced"
- No need for pre-drilling for hard wood
- Far less fracturing in wood when screwed in
- Impact resistant plastic



EP86

Rope W Insulator

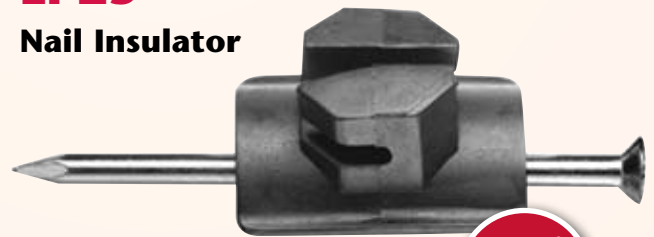


- Heavy-duty insulator made of break-proof plastic
- Screw-in or nail-on
- Black
- Ideal for ropes up to 8mm and horse wire



EP23

Nail Insulator



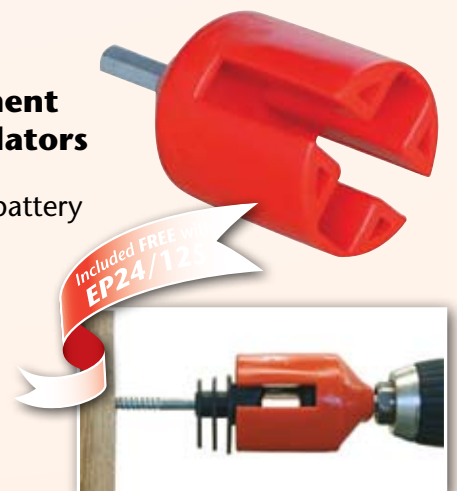
- Suits polywire and wire
- Supplied with nail
- Stainless Steel
- Not suitable for high powered fencer



EP25

Drill Attachment for Ring Insulators

- For drills and battery screwdrivers
- Easily screwed in due to its round shape
- Suitable for all ring insulators



EP402

Clamp-on Insulator

- For metal or plastic posts up to Ø 17mm
- Mounted on side of post and easily tightened
- Impact resistant plastic - very robust



Pack of
25

EP47

Egg Strainer

- With fibreglass reinforcement
- Suitable as corner and strain insulator
- Important aid in fence construction



Pack of
25



EP403

Twist-on Insulator

- Suits oval post (EP82)
- Suits polywire and rope

Pack of
25

EP48

Egg Strainer

- With fibreglass reinforcement
- Suitable as corner and strain insulator in permanent fencing (plain wire)
- Resists especially high strains



Pack of
25



EP49

Staple Insulator

- With staple
- Suits polywire
- Not suitable for high powered fencer

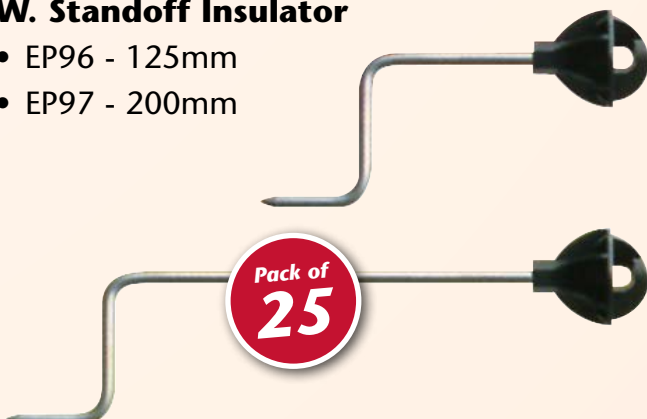


Pack of
50

EP96/97

W. Standoff Insulator

- EP96 - 125mm
- EP97 - 200mm



Pack of
25



EP570/ 573/572

Tape Joiner

- EP570 - 13mm
- EP573 - 20mm
- EP572 - 40mm

Gates & Strainers



EP42

Spring Gate Kit

- **EP42**
 - 15' Spring Gate Kit
 - stretches up to 5m
- **EP42/20**
 - 20' Spring Gate Kit
 - stretches up to 6m

Kit consists of:

- 1 Gate handle with hook
- 1 Galvanised spring
- 1 Activator plate
- 1 Peg insulator
- Not suitable for horse containment



EP51

Gate Activator Plate

- 3 point plate

EP280

Sheep Strainer

- Galvanised
- 3' 4" height



EP45

Gate Handle



- With galvanised hook
- With strong tension spring
- Super strong

EP283

Blue Sheep Strainer

- Painted
- 3' 4" height

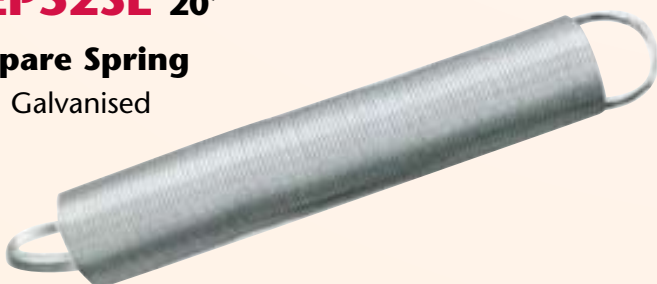


EP52S 15'

EP52SL 20'

Spare Spring

- Galvanised



EP540

Rope Connector

- Stainless steel
- For joining rope



EP26

700 Blue Reel

- Reel Ø 240mm
- For wire and tape



EP28

Midi Reel

- 200m Polytape
- 500m Polywire



EP27

400 Blue Reel

- Reel Ø 180mm
- For wire and tape



EP234 - Tape EP293 - Rope

Flexigate - The flexible gate system

- Flexigate makes it easy for you to electrify paddock entrances. On opening the tape or rope will be reeled up automatically by a steel spring.
- Stretches to 6 meters approx



EP281/282

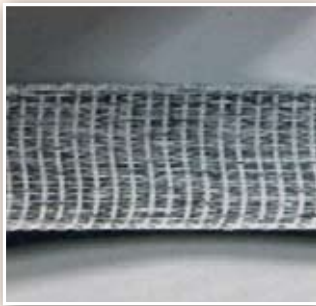
Drive Thru Gates

- EP281 - 3.6m
- EP282 - 5.0m

Set includes:

- 2 sticks, 2 hinges and insulated ground cable
- Powered by fences and easy to integrate in already installed fence systems
- Available for entrances of 3.6m, 5m or 6m as well as mini electro gate of 1.2m
- Does not scratch the paintwork on vehicles, because the flexible fibreglass sticks are covered with conductive rubber
- Insulated gate handles for pedestrians
- The physical law of the faraday cage protects the drive of a motor car or tractor against electric shocks
- Opens in both directions and self-closing behind
- Lockable in open position

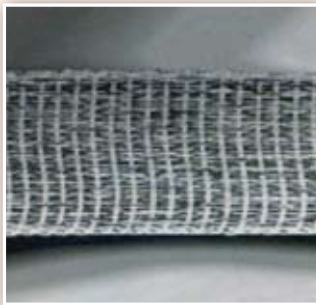
Electric Tape, Rope & Polywire



EP542/12

Electric Tape

- 200m long
- 12mm wide
- 4 stainless steel strands
- 24 Plastic strands



EP542/20

Electric Tape

- 200m long
- 20mm wide
- 4 stainless steel strands
- 35 Plastic strands



EP582/40

Electric Tape

- 200m long
- 40mm wide
- 8 stainless steel strands
- 55 Plastic strands



PA662

200m Electric Rope

PA664

400m Electric Rope

- 200m and 400m long
- 6mm thick
- 6 stainless steel strands
- 80 plastic strands



EP462

Electric Polywire

- 200m long
- 2mm thick
- 6 stainless steel strands
- 30 plastic strands

Insulators



EP400

Small Tape Insulator

- For tapes up to max. 40mm as well as polywires up to Ø 6mm
- Ideal fence line insulator
- Patented

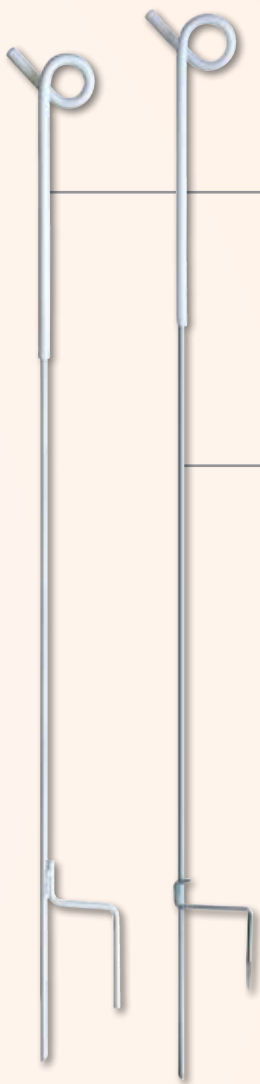


EP401

Large Tape Insulator

- Solid and durable type
- Screw-in or nail-on insulator
- Tape passes through - thus easy straining of hot tape over longer runs of fence





EP41

Pigtail White Standard

- 41"
- 10 per bundle

EP43-L

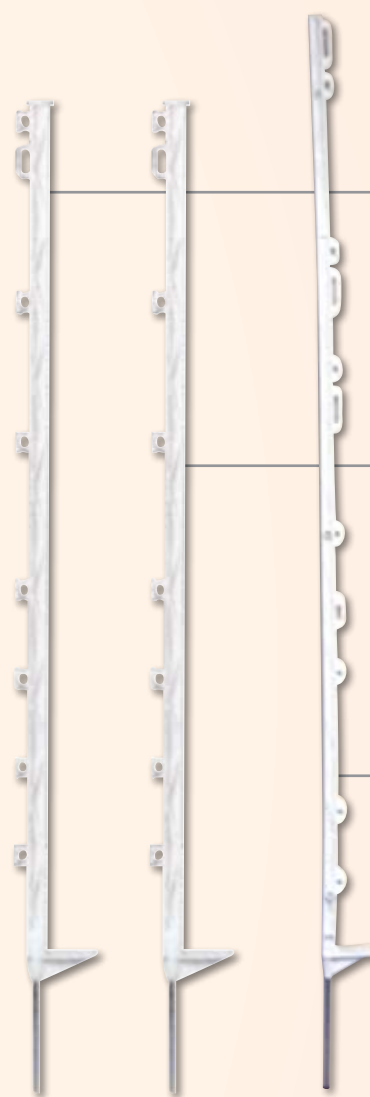
Pigtail Long Galvanised spring steel

- 43"
- 10 per bundle

EP82

Oval Steel Post

- 36"
- 25 per bundle



EP83N

Plastic Post White Standard

- 36"
- 10 per bundle

EP83

Plastic Post White (Strong)

- 36"
- 10 per bundle
- 304g weight

EP83L

Plastic Post White Long

- 55"
- 10 per bundle

Good Fences Make Good Neighbours

All Electro Power Fencers are designed and manufactured to the highest standard.

Just as higher water pressure in a pipe leads to more water leakage, high voltage on a fence wire leads to greater power loss through small or poor quality insulators. All electric current wants to get back to source. Therefore power on the fence wire wants to get back to the fencer via the earth field. Remember 10 volts lost through 100 insulators amounts to 1000 volts lost off the fence wire.

All Electro Power insulators and accessories are manufactured from hi-density polyethylene and are produced to the highest standard. They are designed and manufactured with enough bulk to ensure there is no loss of power through the staple or nail through arcing or product becoming porous and absorbing moisture through product failure. They are designed to ensure voltage is kept on the fence wire and not lost through weak spots.

By choosing the correct Electro Power fencer accessories farmers can be assured of years of trouble free livestock control, increased profits and peace of mind.

Wire & Reels

EP873

Premium Horse Wire

- 250m length
- 8mm diameter
- Great conductivity 0.035 Ohm/m
- High mechanical barrier due to steel wire (breaking strength 800kg)
- Electrifiable and very safe
- Extremely weather proof (cold, warmth, moisture)
- High visibility due to white coating and Ø 8mm
- UV-stabilized PE coating
- Easy to install and to handle like wire
- No physical hazard for horses due to round and smooth surface



Alu-Guard

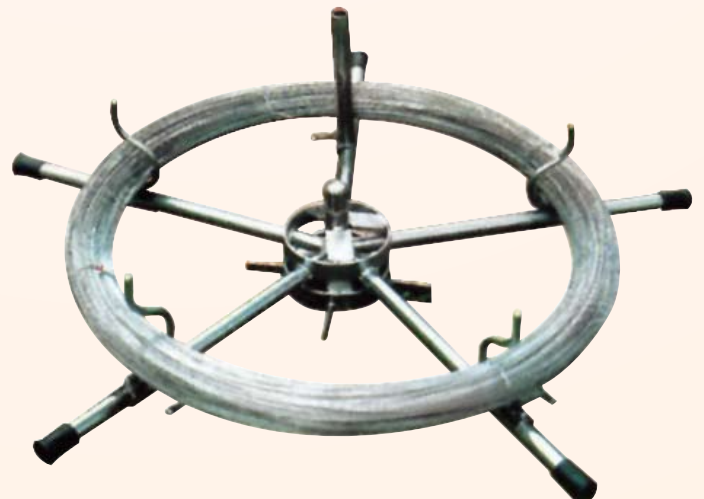
Fencing Wire Aluminium

- Excellent conductivity, 4 times higher than conventional steel wire
- Easy to handle during installation
- Low weight (by 2/3 less than steel wire)

EP279

Spinning Jenny

- Trouble-free unrolling of permanent fence wire
- Galvanised
- Also for horse wire



EP271

Sheep Netting



- Comes in a netting height of 90cm
- Length of 50m
- 14 stable plastic posts
- Electrifiable horizontals through 3 x 0.20mm stainless steel conductors per strand
- Strengthened, energized upper strand
- Welded knots
- Plastic posts with galvanised spikes
- Top insulator and stopper prevent the net from coming loose

EP273

Poultry Netting



- Height: 112cm
- For hens, geese and turkeys
- Conducting polywire with 3 x 0.20mm
- Length of net 50m
- 15 stable plastics posts
- Welded knots
- Safe lamb containment
- Strengthened top strand

FENCING TERMS:

- Voltage:** Power on the wire that controls the livestock.
- Joules:** The horsepower of each fencer that drives volts along the wire.
- Stored Joules:** The horsepower in the fencer.
- Output joules:** The real horsepower of the fencer: Approx two thirds stored joules.
EG. 15 Stored joules = 10 output joules.

TESTING YOUR FENCER:

- No Load:** Voltage in the fencer.
- 500 OHMS:** Voltage on wire under perfect conditions.
- 100 OHMS:** Voltage on wire under grass growth condition.

Note: Voltage on fence wire should not drop below 2000 volts for effective livestock control.



Temporary Fencing Products to suit Irish Farming Conditions

The uses of temporary fencing are many and varied. It is a low cost, effective and efficient way to control livestock in remote areas. It is portable and easy to erect. It can be used for strip grazing and to protect wet areas of grassland to avoid damage to grass.

The same principles apply to temporary fencing all over the world. It consists of a battery fencer, temporary fence posts, either pigtail or plastic, reels, gate handles and either polytape or polywire.

Farm fencing in Ireland is more difficult than in most countries whether it is permanent or temporary fencing. The retention of hedges, moist climate and long growing seasons puts greater pressure on fencing through wet vegetation touching the fence wire. This means we need stronger fencers and better fencing materials to ensure the voltage stays on the wire to control livestock.

Because we use strong mains fencers on boundaries and then tend to use temporary product for sub division, creating paddocks and general pasture management, all fencing products need to be strong enough and fit for purpose.

In order to meet this demand we at Stradbally Farm Services Ltd decided to put together a strong range of temporary fencing product to meet the exacting needs of Irish farmers. It had to be strong enough to perform correctly when wet and vegetation growth coming in contact with the fence wire.

The result was ELECTRO POWER a range of strong, durable, high quality products with correct specifications to meet the demands placed upon it through our extreme climate conditions.

We examined existing temporary fencing product and used it where possible. We redesigned certain products and made them more suitable for Irish farm conditions. We developed new product to meet certain gaps in the market.

The result was a strong reliable range of quality temporary fencing products under the name of ELECTRO POWER. It is backed by our usual high standards of service and availability. Farmers have come to realise that by choosing ELECTRO POWER products they are buying quality products at affordable prices, that will give long life and reliable service enabling them to farm better and increase profits through better livestock control and improved pasture management.

DISTRIBUTOR/DEALER

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