

TransNet



Your Partners in Power



November 2019



LV JUICE

TRANSNET'S DONE IT AGAIN!

We're here to keep the power going, but there are ways to do that while also looking after our environment. Sustainability has been at the forefront of every decision we make at TransNet for a while now, and we've cemented that attitude with a commitment to maintaining our ISO 14064-1 accreditation.

It's not easy. To defend our title we have to be constantly improving, and it gets harder every year. Every journey that any of our products or people takes must be measured and compiled to find out our total greenhouse gas emissions, and we've taken steps this year such as adding five EV to our fleet and implementing a fuel monitoring program to make those journeys even more efficient.

By making incremental changes today, tomorrow, the day after, and onwards, we want to show that it's possible to minimise our impact without compromising our values. Whenever, wherever, we've got it.

NZ Owned & Operated Since 2000



ISO 14064-1 ACCREDITED

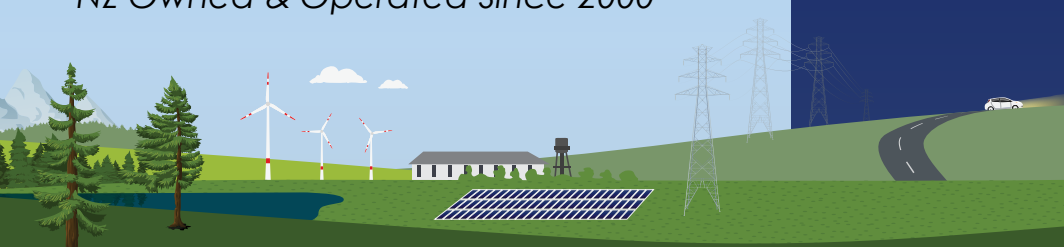
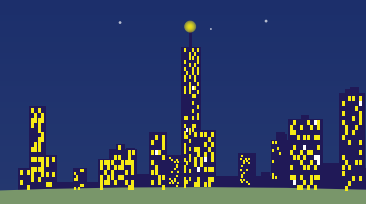
SINCE OUR 2018 AUDIT WE'VE ACHIEVED

51%
REDUCTION
IN WASTE

100%
INCREASE
IN SOLAR
GENERATION

13%
REDUCTION
IN AIR FREIGHT

**ZERO
BUBBLE
WRAP**



FREE TRANSNET BOTTLE OPENER

WHILE STOCKS LAST

When you spend over \$600 (excl GST) on one invoice this month



This Month

IT'S TIME TO BUY RAYCHEM HEATSHRINK PAGE 4

HAUFF-TECHNIK PENETRATION SEALS PAGE 5

FREE MD9226 WITH MI3100SE TESTER PAGE 7

www.transnet.co.nz





SUBMERSIBLE CONNECTORS FOR UNDERGROUND RETICULATION

The GelPort connection system represents a revolutionary product for secondary connectors. Strip the cable and push it into the gel-filled cable port. The cable is encapsulated in PowerGel and instantly sealed.

FEATURES

- Qualified to ANSI C119.1
- Gel-filled cable entry ports provide a reliable cable seal
- Hydrophobic PowerGel sealing gel seals out harsh environments
- Provides an excellent moisture seal over a wide range of operating temperatures (-40°C to 95°C)
- Rugged, impact-resistant housing stands up to rough installations

- Clear view back allows for easy positive visual indication of wire position in connector

BENEFITS

- Quick and easy installation
- Clean re-entry into electrical connection
- Unlimited shelf life when stored in normal conditions
- No loose parts due to one piece housing



Cat No.	Back Cover Colour	Number of Cable Ports	Cable Size (mm ²)	Dimensions (mm)		
				L	W	H
5-1899241-7		3	2×16 – 150, 1×16 – 240	117		
5-1899241-8		4	2×16 – 150, 2×16 – 240	149		
5-1899241-9	CLEAR	5	2×16 – 150, 3×16 – 240	180	97	89
6-1899241-0		6	2×16 – 150, 4×16 – 240	212		
6-1899241-1		8	2×16 – 150, 6×16 – 240	276		
7-1201146-7	BLACK	4	4×6 – 150	149	97	89
GPRT-300-3P-OR	CLEAR	3	2×185 – 300, 1×16 – 185	128	90	105

Raychem
from TE Connectivity



RAYGEL PLUS JOINT KITS

Raychem RayGel Plus Joint Kits offer quick, easy reliable sealed joints for low voltage applications. Enclosures offer a state-of-the-art sealed joint for underground, direct-buried and overhead applications.

RAYGEL PLUS SYSTEM

- Housing is made of Halogen free UV resistant Polypropylene
- RayGel PowerGel Sealant
- Some kits include connector blocks or connectors

SOPHISTICATED ENCLOSURE DESIGN

- Optimised joint design with integrated strain relief and more space for the connection
- Flexible wave-like gel barriers (no tools required)

WIDE APPLICATION AREA

- Street, garden and pool lighting
- Connection of outdoor equipment
- Frost protection systems
- Cable trays and cable ducts
- With Raychem GelBox 25 joints up to 5x25mm or 4x35mm²
- For single-core cables from 10-50mm² & multi-core cables from 2x1.5 up to 5x16mm²

UNIVERSAL CONNECTOR BLOCK

- Full range of branching capabilities without cutting of main cables
- Supplementary tool for insertion of sliding nuts
- Unique latchable connector block for even more effective and easy installation



POWERGEL SEALANT FILLED

- Covers and seals every connection quickly and easily, saving time and effort
- Rated to 90°C continuous temperature
- Environmentally friendly





AIRSTOP WEATHER SEALS

To enable vapour retarders and other materials to fulfil their purpose as airtight layers in a building there must also be air-tight joints at cable entry points. Warm air finds its way inside building components through even the smallest of holes in the vapour retarder, where it then condenses. AIRSTOP Cable Sleeves remove the ability of air to move and cause drafts or condensation, guaranteeing that the construction is wind-tight and air-tight.

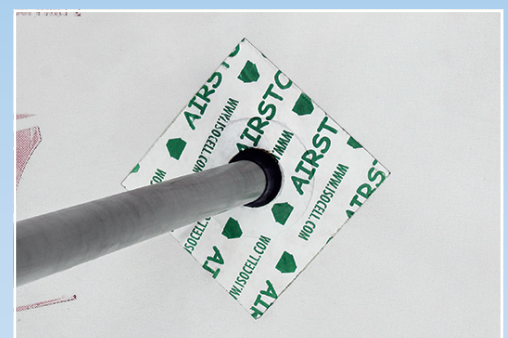
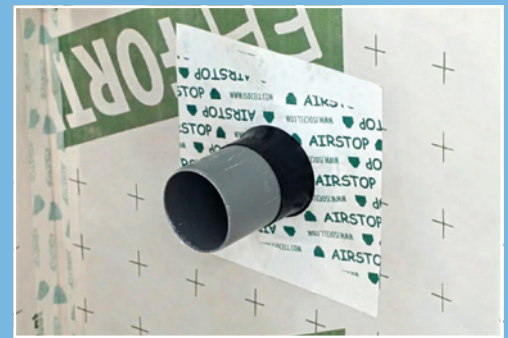
FEATURES

- Extremely flexible
- Resistant to ageing
- Integrated sealing plaster for airtight adhesion
- Rubber heat-resistant up to 160°C (short term)

- Can be applied to the inside or outside of the airtight layer
- BRANZ appraised

APPLICATIONS

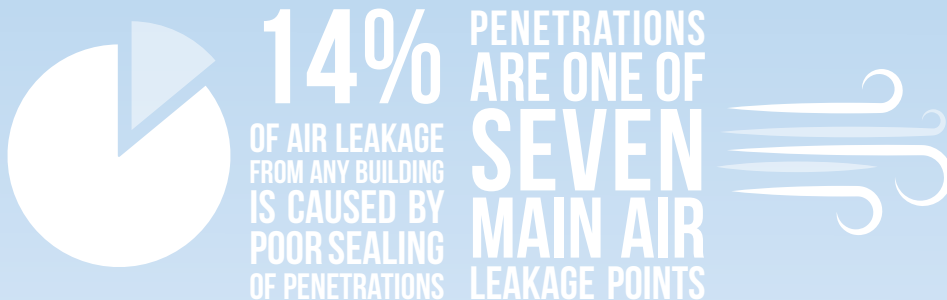
- Cable entry points
- Openings for conduits



PRODUCT SPECIFICATIONS

COMPOSITION	EPDM RUBBER, SEALING PLASTER WITH AGE-RESISTANT PURE ACRYLATE ADHESIVE
TEMPERATURE RESISTANCE OF ADHESIVE	-40°C TO +100°C
OPERATING TEMPERATURE	-5°C TO +40°C
AGE RESISTANCE OF ADHESIVE	30 YEARS
CABLE ENTRY RANGE	9 SIZES COVER FROM 8-160MM O.D. SINGLE ENTRY (8-12MM DUAL ENTRY ALSO AVAILABLE)

Cat No.	Cable Entry Range Ø (mm)	Outer Dimensions (mm)	Adhesive Temp. Resistance	Pack Size
AIRSTOP812	8 - 12	150	-40°C TO +100°C	30
AIRSTOP812-DUAL	2 X 8 - 12	150	-40°C TO +100°C	30
AIRSTOP1522	15 - 22	150	-40°C TO +100°C	30
AIRSTOP2532	25 - 32	150	-40°C TO +100°C	30
AIRSTOP4255	42 - 55	228	-40°C TO +100°C	8
AIRSTOP5070	50 - 70	228	-40°C TO +100°C	4
AIRSTOP7590	75 - 90	228	-40°C TO +100°C	4
AIRSTOP100110	100 - 110	320	-40°C TO +100°C	4
AIRSTOP125135	125 - 135	350	-40°C TO +100°C	4
AIRSTOP150165	150 - 165	350	-40°C TO +100°C	4



WHY CHOOSE RAYCHEM?



RNF DWP MWTM WCSM CMSM CRSM DCPT FCSM LWIT EZISHRINK

FREE UMBRELLA

WHEN YOU SPEND \$750.00+GST ON

RAYCHEM

HEATSHRINK

THIS MONTH

ON ONE INVOICE (WHILE STOCKS LAST)



Raychem heatshrink products shrink to fit a range of different sizes and types of cables, and are of the highest quality - from thin walled to heavy walled sealant lined tubing and wrap around repair sleeves right through to cable end caps and breakout boots, there is a product to cover all applications and requirements.

Made from cross-linked polyolefin, Raychem heatshrink offers resistance to abrasion, weathering, and atmospheric pollution.

Whether it's an environmental seal, identification, mechanical strength, or added insulation you need, there is a Raychem product available to suit.



Raychem
from TE Connectivity



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UNIVERSAL WALL SLEEVES FOR ALL WALL TYPES – UFR



Concreted UFR with PMBC



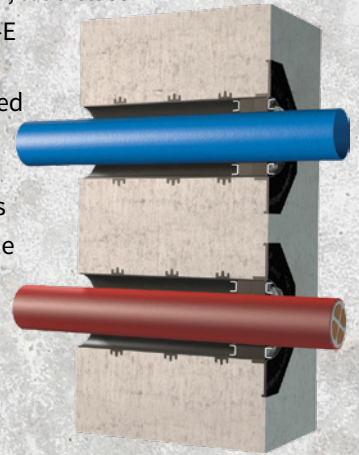
UFR in formwork

Integrated patch flange for the processing of plastic-modified bitumen thick coatings. Facilitates sealing in all types of wall through a combination of integrated patch flange and 3-ribbed seal.



FEATURES & TECHNICAL DATA

- Waterproof concrete load class 1, load class 2
- DIN 18533 W1.1-E, W1.2-E, W2.1-E
- With integrated patch flange for the processing of plastic-modified bitumen thick coatings
- Can be used in all types of wall including element constructions
- Break-resistant, inherently stable
- For installation flush with the formwork
- Closed ready for installation



MATERIALS

- Pipe: PVC-U
- Integrated patch flange: ABS
- 3-ribbed seals: EPDM
- Closing cover: PE

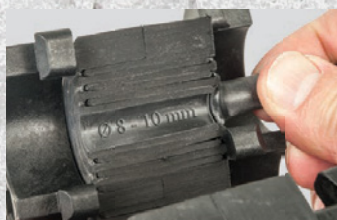
TIGHTNESS

- Gastight
- Watertight

STANDARD PRESS SEAL WITH SUPER SEGMENTED RING TECHNOLOGY – HRK-SSG



Press plate with form-fitting connection



Segments with exact marking

For sealing cables in core drills or wall sleeves. Split design for sealing new cables to be installed or cables that have already been laid.

FEATURES & TECHNICAL DATA

- Gastight and watertight up to 2.5 bar
- Sealing width 40mm
- Split seal for retrofit installation
- Super segmented ring technology – individual adjustment to the installed cable diameters on site
- Segments with exact diameter marking
- Form-fitting connections of the press plates
- EPDM rubber
- Screws and nuts made of stainless steel V4A (AISI 316L)
- Plastic pressure plates made of glass fibre reinforced polyamide
- Highly robust plastic press plate with reinforcement ribs



**hauff
technik**



BATTERY POWERED ZONE 0 EXPLOSION PROOF LIGHTING

Australian Made & Australian Designed

EXIN LIGHT explosion proof products carry T4 Classification and have been approved and certified as intrinsically safe by TestSafe Australia meeting the IECEx standards, Intertek UK meeting the ATEX standards, and TIIS conforming to Japanese standards. The compliance to these certifications ensures that EXIN LIGHT's EX90L range is suitable and safe in areas where flammable gases and combustible dusts are present, providing your requirement is within the certified classification of the selected model.

Body

The EX90L body is constructed using an automotive resin type ABS747 making the EXIN LIGHT highly durable for use in mining, on oil rigs and in industries where there could be flammable gas or another potentially explosive atmosphere. Shock absorbing rubber on both the base and lid provides added protection.

Battery

The battery used in the EXIN LIGHT Explosion Proof Models is a purpose-built encapsulated Ni-MH battery. It is maintenance free and is only to be charged in accordance with the instructions provided.

Features

- IP65 ingress protection
- T4 temperature class (Max. 135°C)
- Charging time approx. 7-8 hours
- 9.6V rechargeable NiMH battery



Cat No.	EX90L IIB 720 DS	EX90L T4 IIB 1440 SS	EX90L T4 IIC 720 SS
ZONE RATING	ZONE 0 (CLASS I DIVISION 1, CERTIFIED FOR USE IN ALL ZONES)		
GAS CLASS	IIB	IIB	IIC
NET WEIGHT (KG)	8.0	8.0	7.8
DIMENSIONS (MM)	335 W X 222 D X 880 H (OPEN)/582 (CLOSED)		
VOLTAGE AC/DC	100-240V AC/12V DC (MAX 1.8A)		
LIGHT TYPE LED	DOUBLE SIDED	SINGLE SIDED	SINGLE SIDED
LUMENS	720 (EACH SIDE)	HIGH 1440, LOW 720	720 (SINGLE SIDED)
BATTERY RUN TIME (APPROX.)	SINGLE SIDE 16-18 HOURS BOTH SIDES 8-10 HOURS	HIGH 8-10 HOURS LOW 16-18 HOURS	16-18 HOURS



BEST MATES AT THE BEST RATES

**BUY AN MI3100SE THIS MONTH
GET AN MD9226 TRMS CURRENT CLAMP FREE***



MI3100SE
EUROTESTEASI
INSTALLATION TESTER

MI3100SE EurotestEASI is a fast, accurate and easy to use multifunctional measuring instrument which performs a complete set of installation safety tests according to IEC/EN 61557. The MI3100SE enables on-line voltage monitoring, phase sequence testing and earth resistance measurement. EurotestEASI is equipped with integrated characteristics of fuses and RCDs for PASS / FAIL evaluation of test results. All the results can be quickly saved and referenced on the instrument and then downloaded via the EuroLink PRO software (included in the standard set) to the computer for evaluation and report generation after testing.

KEY FEATURES

- Predefined mini AUTOSEQUENCES:
**Auto TT (U, Zln, Zs, Uc);
Auto TN/RCD (U, Zln, Zs, Rpe);
Auto TN (U, Zln, Zlpe, Rpe).**
- **Built-in help screens for referencing on site**
- **Built-in fuse tables for automatic evaluation of the line / loop impedance result**
- Monitoring of all 3 voltages in real-time
- Automatic polarity reversal on continuity test
- Loop impedance test without tripping the RCD
- Built-in charger and rechargeable batteries as standard accessory
- **Automated RCD testing procedure**
- BT communication with PC, Android tablets and smart phones via BT dongle
- **PC SW EuroLink PRO for downloading of test results and report creation**
- EuroLink Android APP, data management tool (option)

MEASURING FUNCTIONS

- Insulation resistance with DC voltage from 50 V to 1000 V
- Continuity of PE conductors with 200 mA test current with polarity change
- Continuity of PE conductors with 7 mA test current without RCD tripping
- Line & loop impedance
- Loop impedance with Trip Lock RCD function
- TRMS voltage and frequency
- Phase sequence
- RCD testing (general and selective, type AC, A, F)
- Earth resistance (3-wire method)



MD9226
AC/DC 600A TRMS
CURRENT CLAMP

The MD9226 has a wide range of extra features, including peak value, data and MAX hold functions, auto power off, auto-ranging and a relative zero function.

KEY FEATURES

- Auto-ranging
- Automatic, non-contact detection of electromagnetic fields to locate and trace live conductors
- Data hold function
- MIN/MAX/AVG function
- Peak value
- Relative zero
- 35mm jaw opening
- CAT IV / 300 V, CAT III / 600 V overvoltage categories
- LCD display with backlight, 3-5/6 digit, 6000 count

MEASURING FUNCTIONS

- DC and TRMS AC voltage up to 600 V, current measurement up to 600 A
- Resistance, frequency & capacitance measurements
- Acoustic continuity test
- Diode test



*While stocks last

YOUR EV NEEDS A PLUS ONE

Wallbox Pulsar Plus EV Charger



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Wallbox Pulsar Plus is a practical, intelligent charging system for electric vehicles and plug-in hybrids, which connects to the myWallbox charging management platform using Wi-Fi or Bluetooth. The Pulsar Plus comes with the addition of integrated DC leakage protection as standard.

Pulsar Plus is compact, at just 16cm², and features the most advanced technology to provide maximum charging performance. Pulsar easily adapts to any installation, in private garages or shared parking.



From the myWallbox App with Bluetooth connectivity, you can adjust the power, programme your charging sessions and control energy consumption

FULL SPECIFICATIONS



Distributed by



wallbox
plug & drive



EVC-PB-CLAMP

Wallbox power sensor ensures the power supply to the house cannot be overloaded.

KEY FEATURES

- **Integrated DC leakage protection**
- Always connected via Wi-Fi or Bluetooth
- Compact design
- Optimise your charging infrastructure with Power Boost technology
- Integrated charging status lights
- Master or Slave for Power Sharing
- Available in Black or White

WALLBOX APP

Manage all your device settings from your mobile phone or tablet through the Wallbox application.

- Acts as a link between the charger and the myWallbox portal via Bluetooth
- Set up your device and get access to your consumption
- Program charging sessions when energy price is lower
- Set the charging current according to your needs or lock and unlock your charger to avoid misuse. All with a single click.

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