



Volume 31 - Number 1

Sweating concrete pipes wrapped with Denso LT Tape in Canada - See pages 4-5

QUALITY & INNOVATION FROM 1883 INTO THE 21ST CENTURY



OVER 130 YEARS SERVICE TO INDUSTRY

WINN & COALES INTERNATIONAL LTD

For further information on our products and their suitability for your particular project, please contact any of the Denso companies listed below:

WINN & COALES (DENSO) LTD

Denso House, Chapel Road, London SE27 OTR, England
 ✓ Anti-corrosion and sealing systems

Tel: +44 (0) 20 8670 7511
 Fax: +44 (0) 20 8761 2456
 Email: mail@denso.net
 Website: www.denso.net



ARCHCO-RIGIDON

Denso House, Chapel Road, London SE27 OTR, England
 ✓ Corrosion resistant linings

Tel: +44 (0) 20 8761 6244
 Fax: +44 (0) 20 8761 2456
 Email: mail@denso.net
 Website: www.denso.net



DENSO NORTH AMERICA INC - CANADA

90 Ironside Crescent, Unit 12, Toronto, Ontario, M1X 1M3
 Canada
 ✓ Anti-corrosion and sealing systems

Tel: +1 416 291 3435
 Fax: +1 416 291 0898
 Email: sales@densona-ca.com
 Web site: www.densona.com



DENSO USA - LP

9747 Whithorn Drive, Houston, Texas 77095
 United States of America
 ✓ Anti-corrosion and sealing systems

Tel: +1 281 821 3355
 Fax: +1 281 821 0304
 Email: houston@densona.com
 Website: www.densona.com



DENSO SOUTH AFRICA (PTY) LTD

120 Malacca Road, Redhill Industrial Area, Durban North 4051,
 Republic of South Africa
 ✓ Anti-corrosion and sealing systems

Tel: +27 31 569 4319
 Fax: +27 31 569 4328
 Email: bid@denso.co.za
 Website: www.denso.co.za



DENSO (AUSTRALIA) PTY LTD

411-413 Victoria Street, Brunswick, Victoria 3056,
 Australia
 ✓ Anti-corrosion and sealing systems

Tel: +61 1300 658 590
 Fax: +61 39387 6973
 Email: denso@densoaustralia.com.au
 Website: www.densoaustralia.com.au



DENSO (NEW ZEALAND) LTD

PO Box 76167, Manakau City, Auckland,
 New Zealand
 ✓ Anti-corrosion and sealing systems

Tel: +64 9274 1255
 Fax: +64 9274 1258
 Email: info@denso.co.nz
 Website: www.densoaustralia.com.au



SEASHIELD INTERNATIONAL

Denso House, Chapel Road, London SE27 OTR, England
 ✓ Marine corrosion protection systems

Tel: +44 (0) 20 8670 7511
 Fax: +44 (0) 20 8761 2456
 Email: mail@denso.net
 Website: www.denso.net



SEASHIELD INTERNATIONAL

9747 Whithorn Drive, Houston, Texas 77095
 United States of America
 ✓ Marine corrosion protection systems

Tel: +1 281 821 3355
 Fax: +1 281 821 0304
 Email: houston@densona.com
 Website: www.densona.com



SEASHIELD INTERNATIONAL

411-413 Victoria Street, Brunswick, Victoria 3056,
 Australia
 ✓ Marine corrosion protection systems

Tel: +61 1300 658 590
 Fax: +61 1300 655 064
 Email: denso@densoaustralia.com.au
 Website: www.densoaustralia.com.au



SEASHIELD INTERNATIONAL

PO Box 76167, Manakau City, Auckland,
 New Zealand
 ✓ Marine corrosion protection systems

Tel: +64 9274 1255
 Fax: +64 9274 1258
 Email: info@denso.co.nz
 Website: www.densoaustralia.com.au



PREMIER COATINGS LTD

Headcorn Road, Smarden, near Ashford,
 Kent TN27 8PJ, England
 ✓ Membranes and corrosion protection systems

Tel: +44 (0) 1233 770663
 Fax: +44 (0) 1233 770633
 Email: enquiries@premiercoatings.com
 Website: www.premiercoatings.com





LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Winn & Coales International is Recognised Again by Queen's Awards for Enterprise: International Trade 2013

Three years after achieving its first Queen's Award for Enterprise for International Trade in 2010, Winn & Coales International Ltd, has again been honoured with the same award in 2013, recognising its growth in world sales.

The new award announced on April 21st, the Queen's birthday is the result of the combined efforts of the company's UK, based staff, subsidiary companies and global network of agents offering proven and cost-effective solutions for its customers corrosion and sealing related problems.

Winn & Coales International, established in 1883 remains an independent company and is celebrating its 130th Anniversary this year. The company's Denso anti-corrosion and sealing systems have been used to protect buried and sub-sea pipeline, exposed steelwork



and storage tanks in highly corrosive environments
Chairman David Winn OBE said " Winning this award the first time was an important milestone for the company but winning it again in 2013 is absolutely amazing and recognises without doubt, our success in establishing our products reliability and quality across the world despite the recessionary times we are all going through. It is a also a reward for all of the effort and finance we continually invest in developing new innovative products to solve our customers ever changing needs".

Winn & Coales (Denso) Ltd Attains ISO 14001:2004

Winn & Coales (Denso) Ltd are proud to announce that they have now achieved the internationally recognised environmental standard ISO 14001:2004.

Obtaining this standard for their factory and operations base in West Norwood, London is an important step forward for the company and shows their full



commitment to environmental responsibility.

This new environmental standard goes hand in hand with the quality management standard ISO 9001:2008 they have held and maintained for the last 25 years at the London premises and demonstrates the

For quick identification of the relevant product type used in each story we have used the following colour codes:

Protective coatings for.....	
	BURIED PIPELINES & LPG VESSELS
	EXPOSED STEEL & PIPEWORK
	SUB SEA PIPELINES & JETTY PILES
Protective linings for.....	
	STORAGE TANKS, PUMPS ETC
Sealing & waterproofing.....	
	SEALING MASTICS
	MEMBRANES & FLASHINGS
	INDUSTRIAL TAPES

company's aim to constantly improve its day-to-day operations and customer satisfaction through better manufacturing operations and safer products.



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Denso Petrolatum Tape Seals Sweating Concrete Pipe

Denso Canada was recently asked by Halton Region, located just outside Toronto, if we could supply them with a tape product that could seal around sweating concrete water pipes in sub-zero conditions

The pipe length spanned several hundred feet, and was approximately 75ft above a local parking lot and marina. Periodically, concrete sections would fall from the pipe to the area below.

The region needed to work quickly on this dangerous situation and was looking for something fast, reliable, and easy to install, and yet still supply them with waterproofing for their sweating concrete pipe.

Our recommendation was simple, use 12" wide Denso LT Tape and completely seal the 36" diameter pipe over its entire length.

Using a Genie lift truck, high-up under the pipe, an operator supplied the work crew above the pipe with rolls of tape as they methodically wrapped the top portion of the concrete pipe. They would then pass the roll to the Genie operator below for wrapping the lower half, back

and forth, all the while creating a spiral overlap as they continued down the pipe's length.

The job was completed in a very short period of time much to the delight of the municipality and the contractor. Both were very pleased with how easily and quickly the Denso LT Tape was to work with.

Just another example of how Denso keeps the sky from falling.

Project Summary

Product type:
Buried Steel Coating

Country: Canada
Object: Pipelines
Problem: Corrosion
Product solution: Densoclad, Denso Tape systems

Below: The Denso LT Tape was supplied to the work site from a lift truck.





LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY



The concrete pipeline wrapped with Denso LT Tape.





LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Lincolnshire Pipebridges Get Denso Protection

Engineering and coating contractors Repair Protection & Maintenance Ltd of Kellington, North Yorkshire have applied the Denso Steelcoat 400 System to protect four pipebridges in the Lincolnshire for the Environment Agency. Main contractors for the project are Interserve Construction Ltd.

The main function of the pipebridges is to remove drainage water. There are two pipebridges at Torksey near Lincoln (discharging into the nearby River Trent), one at Shortferry and one at Foldingworth.

Repair Protection & Maintenance Ltd chose the Denso Steelcoat 400 System to give the pipebridges the long-term protection that was required. The system was applied after manual wire brushing to St2 removing all rust and loose coating material. Denso Profiling Mastic was then used to fill all voids etc.



Above: Torskey pipebridge and below Fallingworth protected with the Denso Steelcoat 400 system.



Project Summary

Product type:
Exposed Steel Coating

Country: UK - England
Object: Pipebridges
Problem: Corrosion
Product solution: Steelcoat system

around the flanges to give a smooth contour prior to applying the Steelcoat system. This consisted of a coat of Denso Hi-Tack Primer followed by a wrap of Denso Hi-Tack Tape. This was followed by a wrap of Denso Ultraseal Tape and the system was completed with two coats of a moisture cured polyurethane topcoat.

RPM undertook this contract as a turnkey project by looking after the refurbishment of the air valves, replacing a pipe coupling and organising the access scaffolding.



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Denso Protection for Scottish Harbour Pipework

R J McLeod have recently completed a £16.93M contract to replace the existing quay at Scrabster Harbour in the north of Scotland to provide a multi-function quay serving the oil, gas, renewables and fishing industries. Several Denso protective tapes were used in the total project.

The works included demolition of the existing quay, sea based dredging and installation of steel piled quay faces, pontoons and hard standings. The services provided on the new quay include fuel import/export lines, drainage, lighting, CCTV and communication lines.

As part of the contract JGC Engineering of Thurso supplied some 4km of pipe for the import/export lines. Twelve pipelines are grouped together in



Above: The new Scrabster Quay pipework was wrapped with Densoclad 50 Tape.

a buried duct leading to the import/export take-off area. All pipes in this section were protected with Denso Primer D followed by machine wrapped Densoclad 50 Tape prior to being buried.

Densoclad 50 Tape is a medium duty tape for small and medium diameter pipes, welded



Opposite: A Denso wrapping machine was used to wrap all of the pipework on this project.

joints, bends and fittings. The tape's pvc backing provides excellent resistance to damage and the tape is suitable for hand or machine application.

The scheme also involved the use of tie bars for the steel piles quay faces which were supplied by Macalloy Bar and Cable Systems. For this application, Macalloy wrapped the tie bars with Denso Tape and Denso SA PVC Tape prior to installation on site.

Project Summary

Product type:
Buried Steel Coating

Country: UK - Scotland
Object: Pipelines
Problem: Corrosion
Product solution: Densoclad, Denso Tape systems



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Denso Protection for Metolong Dam Water Supply Pipeline

Construction of the Metolong Downstream Conveyance System represents a major milestone in the realisation of the Metolong Dam and Water Supply Programme. The Conveyance System will enable transmission of up to 93Ml/day of potable water from the Metolong Treatment Plant into the Water and Sewage Company (WASco) network, therefore enhancing the much-needed water supply for domestic and industrial use for Maseru and surrounding towns.

Denso South Africa have secured the supply of materials for all three of the different pipe coatings that have been supplied on the Metolong Downstream Conveyance Network.

Denso Stoneguard was later specified in preference to select backfill (more economical) to protect the pipe from damage that could potentially compromise the pipe coating and pipe itself.

The New Multi Product Pipeline that was completed last year which saw 100km+ of pipe protected with the Denso Stoneguard. The engineers also specified the Denso Stoneguard over selected backfill for economical reasons.



The 1100mm dia Bituguard coated pipe for the transport of water from the Metolong Dam to the water treatment plant, with a view of the Maluti Mountains in the background.



Sidebooms laying the 660mm dia Denso Stoneguard wrapped pipe prior to installation.

Project Summary	
Product type: Buried Steel Coating	
Country:	Lesotho
Object:	100km of Pipeline
Problem:	Corrosion
Product solution:	Denso Ultraflex 1250, Denso Weld Bead Tape, Densotherm HD, Denso Stoneguard



Inspection of field joint repair and securing of the Denso Stoneguard.



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Narrung Ferry Landing Piles Protected with SeaShield

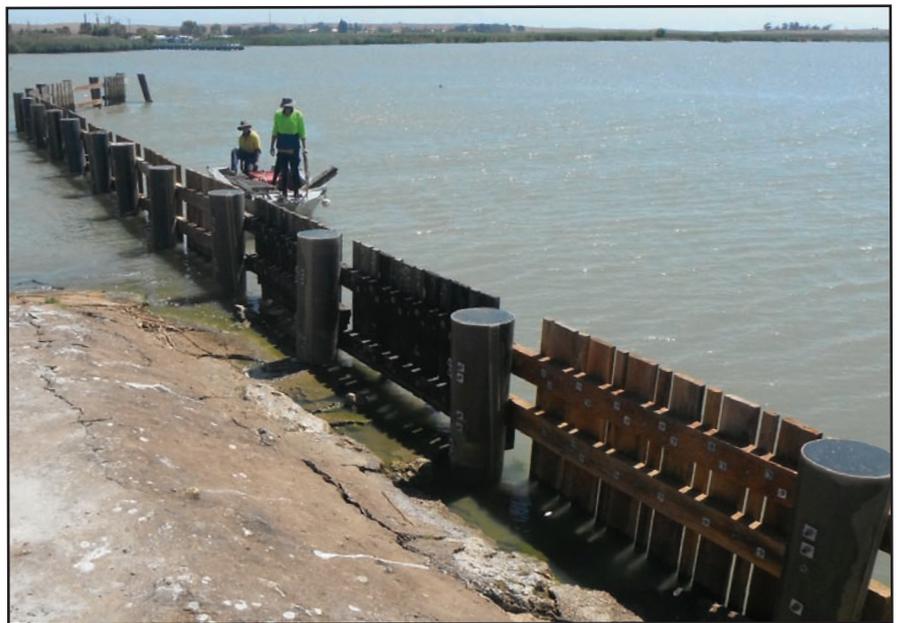
Narrung Ferry landing is located near Tailem Bend in South Australia. Denso in conjunction with the Contractor Diversified Pty Ltd and under instruction from Dept. of Planning, Transport and Infrastructure DPTI undertook repairs to the wave screen.

The wave screen system comprises 18 timber piles with associated beams and planks which were badly eroded. The Department of Planning and Infrastructure required the ferry landing wave screen system to be repaired insitu without the costly replacement of new wooden piles.

Denso SeaShield fibreform jackets incorporating the SeaShield 550 Epoxy Grout was specified to rehabilitate the severely eroded and damaged piles.

Once the SeaShield fibreform jackets were secured around the wooden piles the SeaShield 550 Epoxy Grout was pumped in from the base through special entry ports in the forms until completely full.

Project Summary	
Product type: Sub Sea Splash Zone Coating	
Country:	Australia
Object:	Timber piles/screen
Problem:	Degradation of timber
Product solution:	SeaShield Series 500



The wave screen with SeaShield Series 500 system installed on the timber piles.



The badly dilapidated wave screen.



A close up of one of the eroded timber piles.



When cured the SeaShield 550 Epoxy grout bonded exceptionally well to the substrate and the form, which will remain in place as a tough outer layer giving additional strength and abrasion resistance to the piles.

The outcome of the project was highly successful with a very happy client who has earmarked several sites for future work.



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

Archco 450 Tank Lining Project - South Texas

Denso North America has recently launched their Archco 450 Lining System to compliment the full range of corrosion control protection products and systems that they already offer. The Archco 450 System focuses on providing corrosion protection for internal and external storage tanks.

A large oil & gas company in South Texas recently had a problem with internal tank corrosion after the pre-existing lining had failed due to old age. Archco 450 was chosen as the tank lining coating due to the excellent reputation for quality products and field service that Denso provides.

The project consisted of two open top/internal floater tanks with the sidewalls coated with



Getting the spray unit ready with Denso's Archco-Rigidon Tank Lining coating.

Archco 400 high solids epoxy primer and then over coated with Archco 450, 100 % solids epoxy, glass flaked filled lining.

All coatings were sprayed with a 68:1 single leg airless unit. The Archco 450 was sprayed at 25 to 30 mils in one coat. The coating was applied prior to the insulation of a new internal floating roof.

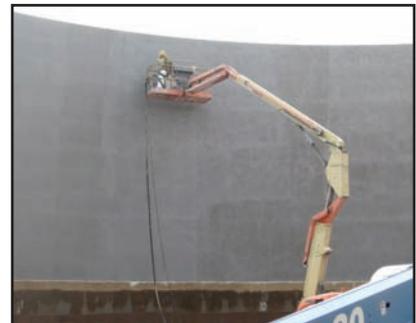
A typical tank from the outside.



Below: Internal tank walls corroded and in desperate need of a Archco System.



Below: Sand blasting the internal tank wall to prepare for the Archco 450 System.



Below: The open top tank side walls were primed with Archco 400 (red).



Project Summary

Product type:
Protective Lining

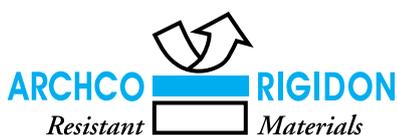
Country: USA
Object: Storage tanks
Problem: Corrosion
Product solution: Archco 450 System



LEADERS IN CORROSION PREVENTION & SEALING TECHNOLOGY

The Archco 450 System will provide the tank chemical resistance, plus the added benefit of the glass filled lining to withstand the abrasion of the floating roof seal, rubbing up and down, as the tank is filled and emptied. The tank floor linings will be installed after the insulation of the floating roof and will also be protected with the Archco 450 System.

The owners can expect 25+ years of internal corrosion protection.



Pictures:

Top: The first tank side walls were coated with Archco 450 (grey)

Centre: Coating Archco 450 (white) over Archco 400 Primer (Red).

Bottom: The second tank sidewalls were coated with Archco 450 (white).



If you would like more information about our long-term corrosion prevention and sealing systems that deal with the problem areas listed below, simply tick the boxes and fax back this completed page and we will supply you with more information.

BURIED ONSHORE COATINGS

- External corrosion prevention for underground pipelines, welded joints, valves and fittings.
- Protection of mounded LPG vessels and fuel tanks.

EXPOSED SURFACE COATINGS

- Corrosion prevention for chemical plant, structural steelwork, above ground pipes, storage tanks, offshore rigs, bridges and support cables, cranes and pipe bridges.
- Corrosion prevention for metal roof purlins and metal roof sheets.
- Protecting pre-stressing and post tensioning bridge cables and ground anchorages.

SUB SEA/SPLASH ZONE COATINGS

- Maintenance corrosion protection for steel jetty piles.
- Subsea pipelines and outfalls.
- Protection of timber and concrete piling.

INDUSTRIAL LININGS

- Internal linings for tanks, pumps, vessels and pipelines.
- Linings for concrete bunds and floors.
- External abrasive wear protection

MEMBRANES & FLASHINGS

- Tanking / waterproofing.
- Exposed rooftops and parapets.

SEALING MASTICS

- Joint sealing of precast concrete manholes and culverts.
- Joint and crack sealing of asphalt road surface wearing courses.
- Joint sealing for airport runways.
- Sealing of cable entry ducts.

INDUSTRIAL TAPES

- Sealing and insulating
- Protecting and bonding

DIY WEATHERPROOFING

- Waterproofing and flashing

For further information - tick boxes, fill in coupon and fax or post to your nearest Denso branch (full list of addresses on page 2).

Name: Title:
 Company:
 Address:
 Phone: Fax:

FAX NUMBERS UK: +44 (0) 20 8761 2456 ● USA: +1 281 821 0304 ● CANADA: +1 416 291 0898
 AUSTRALIA: +61 39387 6973 ● NEW ZEALAND: +64 9274 1258 ● SOUTH AFRICA: +27 31 569 4328



WINN & COALES INTERNATIONAL LTD

Denso House, Chapel Road, London SE27 0TR

Tel: +44 (0) 20 8670 7511 Fax: +44 (0) 20 8761 2456 Email: mail@denso.net Web: www.denso.net



DENSOSTRIP