

February 2019 Vol. 1

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PPN- The Leading Source of Industry News on Polymer Pipes and Plastic Pipe Failure

COPPER CANCER IN PP-R HOT WATER PIPES (Breaking News)

Failed hot water PP-R systems with replacement values well over \$200 million

<https://www.linkedin.com/pulse/copper-cancer-ppr-hot-water-pipes-mark-alexander>

"There's not much point selling a pipe system in a plumbing market where there's a fine line between failure and fit for purpose. PP-R is just not suited for hot water recirculated systems in Aus and NZ."

James Boon , Technical Sales Consultant at UPG Pipe Systems

UPG Pipe Systems is one of New Zealand's top suppliers of HDPE and PP-RCT pipe & fittings

<https://upg.nz/>

How Cracked or Broken Pipes Affects the Reliance Worldwide Share Price

<https://www.fool.com.au/2019/02/01/why-is-the-reliance-worldwide-share-price-down-after-reaffirming-guidance/>

\$2.3 Billion Plumbing Pipe Company, best known for inventing and developing the "SharkBite" push-to-connect plumbing fitting, has been a strong Stock Market performer

<https://www.afr.com/business/retail/hardware/due-diligence-why-reliance-worldwides-founder-might-hang-on-to-his-stock-20180117-h0jokz>

Safety Alert – Fatal Risks in Handling HDPE Pipe Exposed

https://www.fcx.com/sites/fcx/files/documents/suppliers/hdpe_pipe_handling_policy.pdf

Speakers Announced for Plastic Pipe Conference USA (April 16-17, 2019)

<https://www.4spe.org/i4a/pages/index.cfm?pageID=4285>

Installation of a HDPE Gas Pipeline Through Rock Under the Most Difficult Conditions

<http://www.tracto-technik.com.au/Installation-of-a-gas-pipeline-through-rock-in-Northern-Ireland-37-news-535.html>

New Advanced Manufacturing Jobs Flowing from Townsville's Haughton Pipeline Duplication Project

<http://www.australianmanufacturing.com.au/65112/new-advanced-manufacturing-jobs-flowing-from-townsvilles-haughton-pipeline-duplication-project>

Reduced Demand for PVC Forces REHAU to Close Factory

<https://www.bbc.com/news/uk-wales-46967984>

PE100 Pipes from ACP Australian Custom Pipes Get Approval

<https://www.wsaa.asn.au/appraisal/acp-australian-custom-pipes-pty-ltd-polyethylene-pe-pressure-pipe>

Viadux Supreme™ PE Electrofusion Fittings Get Approval

<https://www.wsaa.asn.au/appraisal/viadux-water-network-solutions-supreme%C2%AE-pe-metric-compression-fuse-pe-electrofusion-and-pe>

Update to PIPA POP001 Electrofusion Jointing of PE Pipe (Jan 2019)

<https://www.pipa.com.au/wp-content/uploads/2019/01/POP001.pdf>

Plasson Seeking Business Development and Sales Manager – Electrofusion Fittings

<https://www.linkedin.com/jobs/view/business-development-and-sales-manager-electrofusion-at-plasson-usa-1059641190>

Plasson Announces Phase Out of Electrofusion Fittings with Pins

<http://www.plasson.com.au/news.php?action=view&nid=17&type=-1>

ExcelPlas Offering TOF-D Inspection of HDPE Pipe in Service for Condition Monitoring and Weld Assessment

<http://www.excelplas.com/>

Warning Over Substandard PEX Pipes

Some PEX pipe manufacturers use cost-cutting processes which lead to pipes that aren't uniform in composition and are defective. Defective PEX pipes will not last 50+ years as advertised and quickly degrade and become brittle when exposed to hot chlorinated water. These pipes are destined to fail. Get your PEX pipes tested for Durability and Expected Service Life.

<http://www.excelplas.com/>

Warning Over Stresses on PEX Pipes

PEX piping has a maximum bend radius, which can lead to stress on the pipe caused by improper installation. In addition, extreme bends and kinks place a very high local stress on the wall of the pipe, making it more susceptible oxidative degradation. This is especially true in some states where water chlorine levels run high. PEX pipe that is bent beyond its limit can develop leaks at the stress points.

<http://www.excelplas.com/>

Failure Analysis of PVC Potable Water Pipe

<https://www.sciencedirect.com/science/article/abs/pii/S1350630718309750>

Simona to Showcase its Ovoid PE100 Pipe and Pipe Systems Solutions

https://www.simona.de/en/company/detail/?tx_news_pi1%5Bnews%5D=318&cHash=4b6ac007d1c58c13123ef23df3a90434

Learn More About Simona's Unique Ovoid-Shaped PE100 Pipe

https://www.simona.de/fileadmin/user_upload/Medien/Mediacenter/Produktinformationen/Rohre_Formteile_Armaturen/SIMONA_PE_Ovoid_Piping_Systems_-_For_highly_fluctuating_waste-water_flows.pdf

New Reports Studies Failure of Flexible Bonded Pipes {PDF}

<http://www.ptil.no/getfile.php/1350961/Tilsyn%20p%C3%A5%20nettet/vrige/PSA%20Norway%20State%20of%20the%20art%20Bonded%20Flexible%20Pipes%202018.pdf>

Gem Industrial Services and KenKar Awarded HDPE Pipe Welding Contracts by Hunter Water

<https://www.hunterwater.com.au/Resources/Documents/GIPA/Register---Government-Contracts---GIPA.xlsx>

Pezzimenti Trenchless Successfully Undertakes Sewer Duplication Project in Somerton, Victoria by installation of 700m of DN 650mm GRP pipe through basalt, with grades of one in 400

<https://utilitymagazine.com.au/overcoming-tough-conditions-with-groundbreaking-technology/>

GHD Engaged to Study Widespread Pipe Failures in Water and Wastewater Pipes

https://www.ghd.com/en/services/resources/Advisory/Documents/Asset-Management_NA_ONLINE_FINAL.pdf

ExcelPlas - the Australian Pipes & Fittings Testing Laboratory

- Accredited to ISO 17025 by the National Association of Testing Authorities (NATA) Australia, and is Australia's largest laboratory dedicated for the testing of plastic pipes and fittings to various Standards which include Australian, European and International Standards.
- The staff employed at the laboratory have a combined experience of more than 85 years within the plastics industry specifically with manufacturing, quality control and the research and development of plastic piping systems including HDPE, PEX, PP-R, PVC, U-PVC, M-PVC, O-PVC, ABS, GRP, GRE and PB.
- Services provided include conformance testing, compliance testing, batch release testing, root cause analysis for field failures and non-destructive testing of samples.
- <http://www.excelplas.com/>

ExcelPlas Lab Specialising in HDPE Pipe Condition Monitoring, Failure Analysis and Testing

In the event of a HDPE butt weld or electrofusion weld failing during initial testing, or in service, we can conduct investigations to assist in identifying the root cause of the failure.

This service also extends to the premature failure of the pipe or fitting itself.

<http://www.excelplas.com/plastic-pipes>

ExcelPlas Pipe Testing is a Leader in the Field of Polyethylene (PE) and High-Density Polyethylene (HDPE) Testing

ExcelPlas is accredited with the National Association of Testing Authorities (NATA) for butt weld tests, bend and tensile tests, peel decohesion tests on electro fusion sockets and failure mode determination

<http://www.polypipetesting.com.au/butt-fusion-welds/>

New UHMWPE Pipe for Tailing Offers Greater Than 4X the Abrasion Resistance of PE100 (Australia wide)

<http://slurrypipes.com.au/>

ExcelPlas Poly Pipe Weld Inspection Lists Top 7 Causes of Weld Failure:

- Lack of scraping
- Inaccurate scraping
- Contamination from dirt, water, oil or clays
- Lack of Paralell-ness of fusion faces
- Misalignment of surfaces
- Time, temperature and pressure deviations
- Not adhering to cool times

We have extensive experience in inspection of poly pipe welds for assuring welded joint quality. Direct Poly Pipe Inspection ensures that operators are following the proven welding procedure; this reduces the occurrences of operational errors which lead to defects such as inclusions, lack of fusion (LoF), porosity and misalignment.

More information, contact john@excelplas.com

Get Your HDPE Pipe Products or Services Noticed – Advertise in Poly Pipe News (PPN) Australia

<https://www.polypipenews.com.au/advertise/>

This Newsletter is brought to you by Excelplas Labs, Australia's Largest group of Poly Pipe Testing Labs.

Pipe Poly News (PPN) is now Australia's most current and comprehensive source of news on Polyethylene pipes and Poly Pipe Welding;

Poly Pipe News is now sent to over 4500 Poly Pipe Industry Members every week.

Any news requests should be sent to john@excelplas.com

To subscribe, visit <https://www.polypipenews.com.au/subscribe/>

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