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

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NEWSMAKERS: * APA * ExcelPlas * McElroy * Iplex * ISCO * McElroy * PIPA * PPN * RWC * SCG * Vinidex

Iplex Pipelines Launches New Website
https://www.youtube.com/watch?v=BIEG-bJZIzM

Vinidex New StormPRO™ Installation Videos
Videos are broken down into sections for installers to easily find the installation stage they require. The videos offer the contractor an easy to follow step by step process to assist with the install.
https://www.vinidex.com.au/support/polypropylene-pro-pipe-systems-support/

Ductile Saves the Day When HDPE Fails after 5 Years
"Polyolefin materials such as Polyethylene (HDPE) are inherently susceptible to oxidation by chlorine-based water disinfectants*. This will drastically shorten the lifespan of HDPE causing premature failures and splits. "
https://www.uspipe.com/about-us/news-and-projects/ductile-saves-the-day-when-hdpe-fails-after-5-years

Vitrified Clay Sewer Pipe crushes PVC Pipe in a head to head deflection test at APWA PWX19 (Video)
https://www.youtube.com/watch?v=kdYbxw_HCwM

ExcelPlas Investigates Catastrophic Pipe Failures Around Australia
ExcelPlas can model how thermoplastics pipes behave under load or deformation including creep, stress relaxation, recovery, creep rupture and crack growth.
Our polymer pipe team features experts in testing of plastic pipes, polyethylene water pipes, pipe extrusion, oil & gas pipes, failure analysis, plumbing, heat fusion and electrofusion.
http://www.excelplas.com/

SCG™ HDPE H112PC is the First PE112 Black Pipe Compound, a Patented Technology Beyond PE100
https://www.youtube.com/watch?v=SrUEwkYnBfM

McElroy Showcases New HDPE Welding Technology
https://www.water-technology.net/contractors/pipes/mcelroy-manufacturing/pressreleases/infusion19/

Two Apartment Complexes were Originally Plumbed with Hazardous Polybutylene Pipe, Now Replaced with SharkBite EvoPEX
https://www.plumbermag.com/how-to-articles/pex-plumbing-sharkbite-residential/a-multifamily-repipe-plumbing-challenge_sc_01cv5

How to Identify Polybutylene Pipes, Lawsuits, & Replacement
https://moderncastle.com/polybutylene-pipes/

Key Benefits of PLATINUMSTRIPE® 1800 PE-RT Piping Systems with 20 Times PE4710 Requirements for Stress Crack Resistance
https://isco-pipe.com/pe-rt-high-temperature-hdpe/

Compatibility Hazards for CPVC Pipe
https://www.lubrizol.com/CPVC/FBC-System-Compatible-Program/Incompatible-Products

PIPA asks: Are the Environmental and Social Benefits of Plastic Pipe Being Overlooked?
https://infrastructuremagazine.com.au/2019/10/01/pipa-asks-are-the-environmental-and-social-

benefits-of-plastic-pipe-being-overlooked/

Experimental Assessment of the State of the Lining Materials Used in the Rehabilitation of Sewers in Residential Buildings
https://www.sciencedirect.com/science/article/pii/S2214509519303936

The Role of Mandrel Rotation Speed on Morphology and Mechanical Properties of Polyethylene Pipes Produced by Rotational Shear
https://www.sciencedirect.com/science/article/pii/S0032386119309218

PIPA members exhibit and present at APGA 2019 Convention
PIPA member exhibitors were Vinidex, Iplex Pipelines and GF Piping Systems whilst technical papers were presented by Qenos' Dr Jeroen Wassenaar and McElroy Australia's Mr Sergio Arellano
https://www.pipa.com.au/index.php/pipa-members-exhibit-and-present-at-apga-2019-convention/

The Right Plumbing Pipe for Healthier Water
http://designbuild.nridigital.com/design_build_review_oct19/the_right_plumbing_system_for_healthier_water

Presentation to Demonstrate the Key Benefits and the Effective Use of PP-R Plastic Piping Systems
https://www.eventbrite.com/e/plastic-piping-systems-in-the-building-services-industry-tickets-76912349909

Comparison of Pipes Used in Directional Drilling
https://azbigmedia.com/blogs/comparison-of-pipes-used-in-directional-drilling/

Wear Resistant UHMWPE Pipes to Pump Dredged Spoil, Such as Sand, Sludge, Sediment, etc.
The UHMWPE pressure pipeline can be installed on land as well as on water. On water, the

pipelines can be equipped with float collars.
We have HDPE pressure pipes with dimensions from 100 mm to 250 mm. The dredging hoses are equipped with steel flanges at the end. A slurry pipecan be used for easy connecting and disconnecting of the pipelines. The pontoon is equipped with a Davit crane with winch.
https://www.dredgingservices.com.au/slurry-pipes/

Australian Poly Solutions Specialises in HDPE Pipe Fusion Welding and Hydrostatic Testing Services with Knowhow and Experience you can rely on
https://www.aussiepoly.com.au/

RITMO: APP - SET & GO! PRO Butt Fusion for Pressure Pipe
https://www.ritmo.it/en/butt-fusion-for-pressure-pipe/app-set-go-pro/
Video: https://youtu.be/YP4GmmBdufU

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 buttweld 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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