

iplex®



BlackMax[®]

Stormwater Drainage Pipe Systems

The cutting-edge stormwater management solution engineered for durability, efficiency and sustainability, setting the stage for generations to come.



BlackMax makes perfect sense. Now and into the future.

Iplex BlackMax is an Australian-manufactured structured wall polypropylene pipe system designed for non-pressurised gravity drainage systems. The extensive BlackMax range includes high quality fittings to provide your complete stormwater pipeline solution.

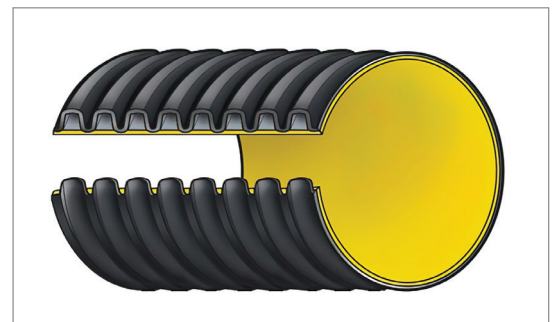
We were the first to introduce dual-wall polypropylene to Australia in the early 2000s with BlackMax stormwater and SewerMax® sewer systems.

And we continue to provide customers with a superior pipeline solution that ensures the completion of projects quickly, efficiently and safely, now, and in the future.

Applications

BlackMax pipes and fittings are suitable for the following applications:

- Stormwater drainage
- Road and highway drainage
- Road and driveway culverts
- Low head irrigation applications
- Slip lining existing corroded pipelines
- Leachate collection
- Stormwater retention system



Cross-section of the BlackMax structured wall pipe.



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Features and Benefits



Built to Last

- May provide a service life of over 100+ years¹
- Water tight joints to resist water leakage and tree root intrusion
- Corrosion and abrasion resistant
- Available in 6m nominal lengths reduces the number of joints and risk of leakage and root intrusion



Sustainable Foundation

- Can be cut with handsaw or lightweight demo saw
- Complies with Australian Standard AS/NZS 5065



Efficient Water Movement

- Superior hydraulic capacity
- Increased flow rates
- Minimised risk of deposit formation²
- Allows flexibility in design and construction



Easy Installation

- Wide range of sizes and fittings for diverse environments
- Easy to transport and lift due to lightweight nature



Safer To Use

- Fewer hazards posed during transport and on-site movement
- Produces no silica dust on repairs/maintenance, protecting workers and mitigating health risks
- Compliant with Australian government safety measures



Expert Support

- The original Australian manufacturer of large bore, twin wall polypropylene pipes
- Over 3,300 kms of BlackMax pipes installed across Australia
- A team of dedicated technical Sales Engineers
- A structural design tool to assist customers with efficient pipeline designs

¹ When installed, operated and maintained in accordance with the relevant product standards and manufacturer's guides

² Manning's friction coefficient is 0.009 for BlackMax vs 0.013 for concrete.



To learn more about the technical specifications scan the QR code or visit our website.

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Comprehensive range of fittings for a complete pipeline system

A range of standard fittings in all sizes is available for use with BlackMax pipes.

BlackMax stormwater drainage fittings are fabricated with moulded socketed ends.

Other configurations, such as spigot ends are also available upon request with separate pipe couplings for jointing.

Repair clamps and jointing clamps are available from Iplex providing a quick and permanent solution for repairing damaged BlackMax pipes or pipe jointing.



BlackMax Pipe Range

Product Code	DN	Effective Lengths (minimum)	Approx. Pipe Mass (kg/m)	SN (N/m/m)
GR8225	225	6010	4	8
GR8300	300	6020	7	8
GR8375	375	6025	10	8
GR8450	450	6030	14	8
GR8525	525	6015	17	8
GR8600	600	5910	21	8
GR8750	750	6000	29	8
GR8900*	900	TBA	39	8
GR81000*	1000*	TBA	50	8
GR81200*	1200*	TBA	73	8

Note: All diameters up to DN525 supplied with ribbed sockets. Sizes from DN600 supplied with cuff socket.

*DN1000 and DN1200 coming soon - for more information contact Iplex

Joint integrity you can trust

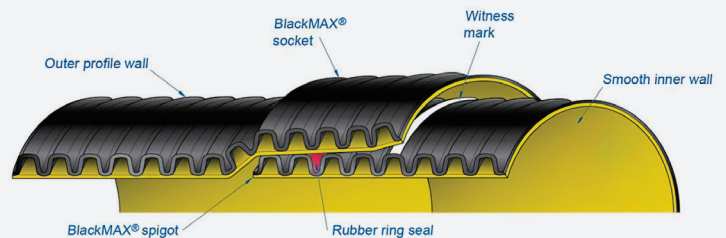
BlackMax pipes are manufactured with a high performance spigot and socket rubber ring joint system.

The elastomeric seal is placed in the second last trough from the spigot end and is compressed as the spigot enters the socket to seal the joint.

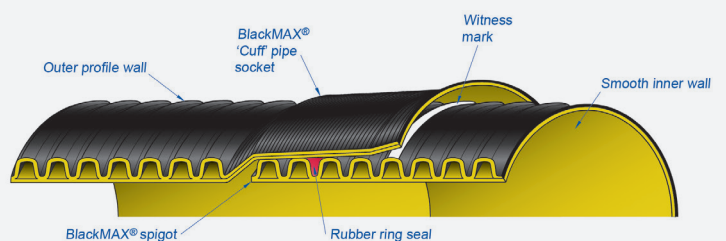
This system allows the installer to cut the pipe anywhere along the pipe barrel and make the joint with the same rubber ring seal.

The BlackMax rubber ring joint has been designed and tested to comply fully with all of the requirements in the Australian standards.

Cross Section of the BlackMax structured wall socket and spigot DN225 - DN525



Cross Section of the BlackMax structured wall socket and spigot DN600 - DN1200



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