MONIER REINFORCED CONCRETE PIPES

By adopting the latest in vertical cast vibratory methods, Monier has significant improvement in increased production capacity, higher quality product outcomes and less impact on the environment.

Testing to AS/NZS 4058:2007 and AS/NZS 3725:2007 ensures pipe quality is maintained and consistent products and processes mean better project outcomes.

We supply:

- **Flush Joint Reinforced Concrete Pipe** (FJ) – ID300mm to ID1800mm diameter.
- **Class 2, 3, and 4 pipes** are available in 2.5m standard lengths for storm water and sewerage applications.
- **Rubber Ring Joint Reinforced Concrete Pipes** (RRJ) – ID300mm to ID1800mm diameter.
- **Class 2, 3, 4, pipes** are available in 2.5m standard lengths for storm water and sewerage applications.

Contact Monier Reinforced Concrete Pipes and let us assist you with products to meet all your construction needs. Let us demonstrate why Monier is “the Mark of Quality”. A superior standard of quality, state of the art manufacturing facility, reliability and turnaround time has made Monier Reinforced Concrete pipes the preferred choice within PNG. Our commitment to quality manufacturing is demonstrated by the significant investment in our new 9 Mile Pipe Plant.

Our new state of the art manufacturing facility started production in 2015, bringing the uniformity and speed of automation to our processing equipment. Our facility offers a 120,000 square metre drycast facility and contains an innovative manufacturing space. The capability of this new facility offers pipe manufacturing diversity and flexibility that are the envy of the industry.

Our product line is made up of a comprehensive range of infrastructure concrete pipe products and is a leader with production techniques and innovation in casting and curing within PNG. Our staff have global experience in the production of concrete pipes and in addition, we embrace the opportunity to provide custom applications based on customer needs.

Total satisfaction comes from a total service approach. We listen to our Customers and work closely with them at every stage to meet their goals and schedules – from competitive pricing and efficient tendering, to fully design and engineered pipe solutions along with pre-construction meetings and on-site support.

APPLICATIONS

The RCP's are used in the following applications:

- Storm Water
- Sewerage
- Irrigation
- Rural Culvert Pipe
- Service Tunnels
- Low Pressure Hydro Conduits
- Pressure Pipe

METHOD OF PRODUCTION

- Vertical Casting Method for dimensional consistency.
- Centrifugal Core Vibration for maximum concrete density. The application of compacting pressure during the act of vibration assures even and maximum concrete density.
- Fully automatic cage machine, produce strictest production tolerances for exact and straight cages.
- Produced and tested for performance in accordance to AS/NZS 4058.
- Maximum concrete grade used is N40.
- The use of spacers to hold the reinforcement in place and ensures an even distribution of concrete reinforcement throughout the pipe.
- Spigot and socket joints utilize innovative gasket in the joint seals. The special rubber compound joint offers the right amount of flexibility and resiliency to compensate for normal pipe angularity and correction without compromising on the effectiveness of its sealing quality.

Salient features and benefits of Vertical casting process versus conventional spinning

Feature	Vertical Casting	Conventional Spinning
Wire Reinforcement	Computerized machine welding	Generally conventional welding
Concrete Mix Design	Lower water cement ratio contributes higher concrete strength. ZERO SLUMP	Higher water cement ratio, wet concrete mix.
Concrete strength	Exceed the concrete strength of 40 Mpa in 28 days.	Generally achieved 40 Mpa within 28 days
Precise geometrical dimension	Higher accuracy of all dimensions	Inconsistent internal diameter.
Installation / No load line	Uniform pipe strength at all points. No need for point loading.	Necessary to align pipes to maximum point load marking.
Production Speed	Every 10 minutes one pipe. From one mould, more than 40 pipes in one shift.	Slower manufacturing, one mould one pipe a day.

MONIER LIMITED
The Mark of Quality

Monier Compound - Saraga Street 6 Mile - National Capital District - Papua New Guinea

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MONIER REINFORCED CONCRETE PIPES

Technical Data sheet

PRODUCT NAME:

Monier Reinforced Concrete Pipes
is part of the Monier group of companies.

MANUFACTURER:

Monier Limited
Saraga St, 6 Mile, P.O Box 734,
Port Moresby, Papua New Guinea
Ph: 675 325 3344 | Fax: 325 3389
Web: www.monier.com.pg

PRODUCT DESCRIPTION:

General:

Monier Limited Reinforced Concrete Pipes complies to the latest version of Australian Standard AS/NZS 4058:2007 and AS/NZS 3725:2007.

BASIC USE:

Monier Limited Reinforced Concrete Pipes are suitable for use for most drainage applications including storm water, sewerage, irrigation and culverts.

COMPOSITION:

Monier Limited Reinforced Concrete Pipes complies with AS/NZS 4058:2007. Manufacture, handing and storage and all performance testing.

TYPES:

Monier Limited Reinforced Concrete Pipes come in flush joint and rubber ring joint ID 300mm – ID 1800mm in class 2,3,4.

LIMITATIONS:

Monier Limited Reinforced Concrete Pipes should be handled and placed to relevant Australian Standards to ensure optimal product performance.

TECHNICAL DATA:

Applicable Standard AS/NZS 4058:2007 and AS/NZS 3725:2007.

TECHNICAL SERVICE:

For additional information, please contact Monier Technical Department.
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