



COMPANY

• PROFILE •

DIKA PLASTIC PIPES

E C O N O M Y I N R E L I A B L E T R A N S I T

WHO WE ARE?



Dika Plastic pipes is a diversified company started operations in July 2022, situated in Middleburg in Mpumalanga Province with highly plastic piping industry expertise in quality and Health & Safety experience. We are the manufacturer of High quality HDPE, LDPE and Polypropylene Pipes, in accordance to the relevant SANS specifications, using the reputable raw material suppliers in accordance to (South African National Standards) SANS 4427-1 also supplying related components ie. Fittings as per customer's requirements.

We provide high quality work while employing experienced people, serving the community of South Africa with integrity and maintaining long term relationship with clients and employees at large. With the experience built over years in different manufacturing departments, we have introduced an in house Quality Management Systems in our business for control purposes. Working on acquiring ISO 9001 accreditation.

STAFFING & RESOURCES

Our Management and Technical Teams has in excess of years' experience Manufacturing of Pipes, Mechanical, Electrical, Technical including work done for Municipality, Agriculture, Domestic and industrial plants, as well as mining operations.

Dika Plastic Pipes Pty Ltd was established in the year 2020, and holds a level 1 B-BBEE Certificate.

HDPE Pipe Manufacturing 6 Solutions

We supply HDPE, LDPE and PP pipes and related components, according to client specifications.

OUR VISION

Our Vision is to be the preferred Pipe manufacturer and service provider throughout Africa. And to be the most proactive supplier, by delivering the correct products within the required time frame to ensure customer satisfaction. Also to create more job opportunities.

OUR MISSION

Our Mission is to become the most successful producer of HDPE pipes in South Africa, emphasizes "RELIABILITY". One Stop Solution in communicating the current market conditions, customers look for a provider that can complete as many of their needs as possible; whilst also presenting a product reliability, cost effective and excellent delivery times.



SOME WORK WE PRODUCED SINCE JANUARY 2023



Our pipes are used in number of different commodities for different Industries.

High-pressure in accordance to **SANS 4427** specifications certified by **South**

African Technical Auditing Services (SATAS)

Non-SANS specifications used mainly in agriculture, telecommunications and greywater applications.

Including but not limited to:

AGRICULTURE



MINING



CONSTRUCTION



CIVIL



QMS, HEALTH, SAFETY & ENVIRONMENT

Dika Plastics PTY LTD has an established internal QMS, Safety, Health and Environmental Policy to which we are abide by and are bound to.

The aim of this policy is inter alia:

- Work-related injuries and health impairments of all employees and sub-contractors are prevented
- Prevent adverse impacts arising from our operations to the environment
- Respect people culture and heritage in any location in which we operate in
- Promote good relationships with local communities of which we are part.
- Also, to produce a quality pipes and render superior services.

HDPE Pipes

COST-EFFECTIVENESS

HDPE piping is exceptionally resistant to corrosion, abrasion, erosion, and biological attack. Light to transport and handling, the pipes are also easy to install.

They can withstand rugged installation conditions, external loads and internal pressure. They are also resistant to continuous exposure, extreme temperatures and extreme burial depths.

HDPE pipe lengths are thermally fused, creating a strong, smooth, leak-proof connection that is stronger than the pipe itself.

This makes HDPE pipes much more cost-effective. They have a much longer life span (up to 100 years) in the right conditions, and result in reduced operating costs.

VERSATILITY

HDPE pipes can be used for the transportation of drinking water, mining slurries, chemicals, oil and gas, and extremely hazardous waste materials. Installations have proven to be safe and leak-proof, both above and below ground, and under water.

HDPE pipes are versatile and can be used for most installation methods, including direct burial, slip lining.

HDPE is approximately 30 times smoother than new commercial steel.

The use of HDPE pipes can improve flow characteristics and lower operating costs for a pipeline, by reducing resistance and pumping requirements, In addition, HDPE will retain its flow capacity over time.

It does not require compensative oversizing for deteriorating capacity



Polyethylene pressure pipe systems offer many advantages when compared to traditional products, namely:

- Low lifecycle costing
- Can be mechanically joined
- Excellent abrasion resistance
- Manufactured in long lengths and coils
- Highly corrosion and chemical resistant
- Does not support micro-organism growth
- Service performance in excess of 50 years
- Homogenous joints (electrofusion and butt weld)
- Weather resistance in above ground applications
- Manufactured to local and internationally accepted standards
- Ease of handling and installation — exceptional toughness and lightweight.

Sizes — Currently 20mm –250mm aimed to expand to 630mm in order to supply all the popular size ranges.

Pressure ratings 4-25 BAR Design Stress 8.0 MPa

Lengths supplied 20mm -90 mm in 100m coils. 110mm in 50m coils. Coil size can be discussed to accommodate delivery needs. 125mm upwards, supplied in 6m, 12m and 24m straight lengths.

Pipe Ends / Jointing - Plain-ended, joined with either compression, electrofusion or butt weld fittings, Stub and Flanged .

Temperature - Pressure De-rating

Temperature Of Pipe in°C	De-rating Factor Apply to Maximum Working
0 - 20	1.0
20 - 25	0.9
25 - 30	0.8
30 - 35	0.7
35 - 40	0.6
40 - 45	0.5
45 - 50	0.4

The rated working pressure of an HDPE water pipe is determined at 20°C. Where the operating temperature of the fluid in the pipe exceeds 20°C, the pressure rating of the pipe has to be de-rated in order to maintain the designed safety of the pipe.

Chemical Resistance

HDPE pipes are resistant to a wide range of chemicals and industrial solvents. For more detailed info, please contact our technical team.

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