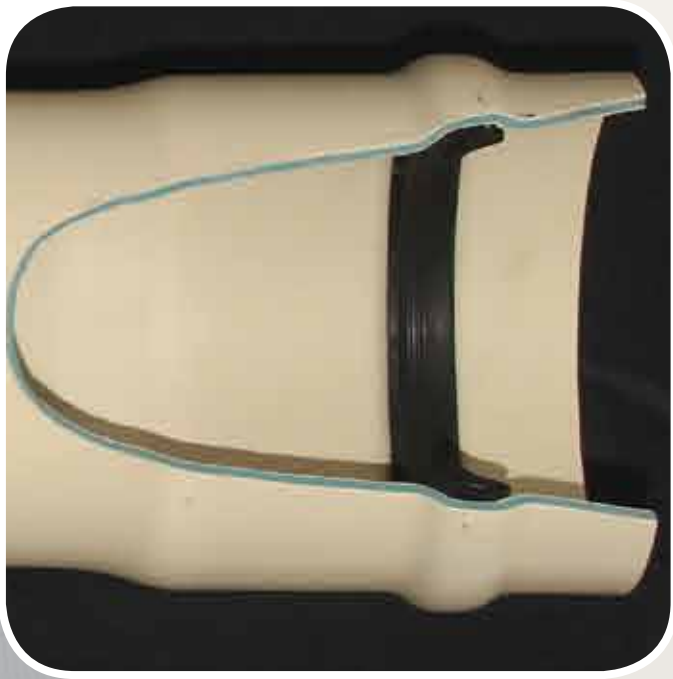




Your Value Partner  
an *Aliaxis* company



**Maincore  
Structured Wall  
uPVC Sewer Pipes**  
SANS1601-2013  
400kPa

**SAPPMA**  
southern african plastic pipe manufacturers association

[www.marleypipesystems.co.za](http://www.marleypipesystems.co.za)

## Marley Maincore

*Marley Pipe Systems is the leading manufacturer and distributor of plastic pipes and fittings for reticulation systems, serving the key market segments of the plumbing and building industries as well as the infrastructure sector throughout sub-Saharan Africa. As an Aliaxis company, Marley is continuously bringing new innovations from around the globe to the local market by constantly adding new products to their stable. Maincore, a new addition to Marley Pipe Systems' product offering, is a technologically superior uPVC sewer pipe system.*

## Advantages

- Lightweight
- Non-corrosive
- Cost effective
- Integral joints
- Compatible with all uPVC systems
- High hoop stiffness
- Low installation cost
- Environmentally friendly
- Excellent flow characteristics
- Excellent longitudinal stiffness

## Design

Maincore is both innovative and practical. The pipe has a smooth outer and inner surface which is ideal for sewer applications. All standard sewer and drain fittings can be used with Maincore. There is no need for any other special sealing systems. uPVC material is resistant to chemicals and gasses found in all sewerage.

It is also resistant to external attack from acidic and alkaline soils. The pipe is resistant to abrasion and scouring. Maincore sewer pipes can be cleaned by rodding or water jetting and will not be damaged provided the cleaning operation is done correctly. uPVC material is non-tainting which means that Maincore can be used in environmentally sensitive areas.

## Resistance to Deflection

The excellent longitudinal and high hoop stiffness provides a pipe which is tough and durable. This enhances the pipe's ability to resist external loading and ensures that the pipe does not deflect out of the horizontal plane during backfilling. All bedding and backfilling operations should be done in accordance with the recommended SABS 1200 specifications.

## Easy Installation

Installation of Maincore sewer pipes can be accomplished quickly and effectively. The following features assist in this:

- Integral joint with Z-LOK seals
- Use of normal wood working tools for cutting and chamfering
- Lightweight, making the use of heavy lifting equipment redundant
- Adaptable to all traditional materials using standard adaptors

## Manufacture

Maincore is manufactured by co-extruding an inner and outer layer using virgin uPVC polymer. The centre core is extruded using virgin or reground uPVC material. The stringent SABS quality control programme, which is applied to virgin polymers, is also applied when using reground material.

The filler material is foamed using a chemical foaming process inside the extrusion head. The filler material bonds to the inner and outer skins forming a structurally superior uPVC pipe that is lightweight, has a high hoop stiffness and a smooth inner surface.

The manufacturing process of Maincore offers the quality of a solid wall sewer pipe made to SABS 791-2013 specifications and the cost saving features of a structured wall sewer pipe manufactured to SABS 1601-2013 specifications.

Maincore is manufactured to SABS 1601-2013 specifications and is subject to all the quality control checks mentioned in the specification. These are as follows:

- Pipe stiffness
- Impact resistance
- Thermal reversion
- Dimensional compliance
- Marking for traceability
- Ovality (out of roundness)
- Resistance to Methylene Chloride

The Z-LOK seals which are used are manufactured and tested in accordance with SABS 974-1 specifications. The seals are fixed into the seal chambers of the pipe with High Density Polyethylene retaining rings. This ensures that the seals are not displaced during jointing. Pipe stiffness is 400 Kpa (heavy duty) in accordance with SABS 1601-2013.



Size	110mm	160mm	200mm	250mm
Product Code	UZF420	UZF620	UZF820	UZF1020
Min. Inner Wall Thickness	0.4mm	0.5mm	0.6mm	0.7mm
Outside Diameter	Min: 110.00 Max: 110.30	Min: 160.00 Max: 160.40	Min: 200.00 Max: 200.40	Min: 250.00 Max: 250.80
Diameter Over Z-lok	136mm	193mm	238mm	294mm
Hoop Stiffness	400Kpa	400kpa	400kpa	400kpa





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**For additional information on the latest product offerings from Marley Pipe Systems visit [www.marleypipesystems.co.za](http://www.marleypipesystems.co.za)**

For more information on Marley Pipe Systems' range of plastic pipes and fittings or for any technical advice and to locate your nearest Marley stockist, contact one of our branch offices below.

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