



DPI PLASTICS
Building Tomorrow

DURODRAIN[®]

Solid Wall Sewer and
Drain Pipe
SANS 791

Now Available
up to 630mm!



GIVING YOU THE EDGE

PVC-U-A MATERIAL OF CHOICE

PVC-U (unplasticised polyvinyl chloride) is selected as a pipe material internationally because of its excellent performance characteristics:

- Resistance to abrasion and scouring.
- Resistance to attack from acid or alkaline soils.
- Impervious to chemicals found in all sewerage.
- Good flow characteristics.
- Not damaged by modern cleaning methods.
- Good impact properties, an important factor in installation, transportation and use.

SANS - AN INVESTMENT

Specifications are written to ensure that products perform the way that they were designed. The correct use of products that comply with recognised specifications will save unnecessary expense when remedial work is carried out due to failure or rejection by the authorities.

ISO 9001 - SUSTAINED QUALITY

DPI Plastics' manufacturing site in Roodekop, South Africa has the ISO 9001 accreditation demonstrating the company's intent and capability as a supplier of world class plastic pipe and fitting systems.

DPI Plastics' quality policy is relevant to its organisational goals and the expectations and needs of its customers.

SABS
ISO 9001

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CLASS 51 SOLID WALL (NORMAL DUTY) PIPE - 100 KPA PIPE STIFFNESS

Size: outside diameter mm (OD)	Standard length (m)	Pipe ends	Minimum wall thickness (mm)	Mass kg/m	Code	
110	4 & 6	plain end	2.2	1.143	U110/4,01 &	U110/6,01
110	6	integral joint	2.2	1.143		U110/6,02
160	4 & 6	plain end	3.2	2.514	SE160/4,01 &	SE160/6,01
160	6	integral joint	3.2	2.514		SE160/6,02
200	4 & 6	plain end	3.9	3.802	SE200/4,01 &	SE200/6,01
200	6	integral joint	3.9	3.802		SE200/6,02
250	6	integral joint	5.0	6.179		SE250/6,02
315	6	integral joint	6.2	9.688		SE315/6,02
355	6	integral joint	7.0	12.297		SE355/6,02
400	6	integral joint	7.9	15.675		SE400/6,02
450	6	integral joint	8.8	19.790		SE450/6,02
500	6	integral joint	9.8	24.234		SE500/6,02
560	6	integral joint	11.0	28.920		SE560/6,02
630	6	integral joint	12.4	36.681		SE630/6,02

PIPE STIFFNESS

The introduction of structured wall pipes to South African market led to the preparation of the SANS 160 specification. This introduced the concept of the pipe stiffness rating as a pipe classification. The use of kPa rating (100, 200 and 400 kPa) is often confused with the pressure class rating, but in fact relates to the amount of pressure to deform the pipe by 5% of its diameter.

The solid wall specification (SANS 791) has two pipe stiffness classes being class 51 (normal duty) and class 34 (heavy duty). These relate to 100kPa and 300kPa respectively.

SANS Specification	Normal Duty		Medium Duty		Heavy Duty	
	class	stiffness kPa	class	stiffness kPa	class	stiffness kPa
SANS 791	51	100	-	-	34	300
SANS 1601	100	100	200	200	400	400

CLASS 34 SOLID WALL (HEAVY DUTY) PIPE - 300 KPA PIPE STIFFNESS

Size: outside diameter mm (OD)	Standard length (m)	Pipe ends	Minimum wall thickness (mm)	Mass kg/m	Code	
110	4 & 6	plain end	3.0	1.546	U110/4HD,01 &	U110/6HD,01
110	6	integral joint	3.0	1.546		U110/6HD,02
160	4 & 6	plain end	4.7	3.665	SE160/4HD,01 &	SE160/6HD,01
160	6	integral joint	4.7	3.665		SE160/6HD,02
200	4 & 6	plain end	5.9	5.633	SE200/4HD,01 &	SE200/6HD,01
200	6	integral joint	5.9	5.633		SE200/6HD,02
250	6	integral joint	7.4	8.966		SE250/6HD,02
315	6	integral joint	9.2	14.147		SE315/6HD,02
355	6	integral joint	10.4	18.445		SE355/6HD,02
400	6	integral joint	11.8	22.832		SE400/6HD,02
450	6	integral joint	13.2	29.148		SE450/6HD,02
500	6	integral joint	14.7	35.908		SE500/6HD,02
560	6	integral joint	16.3	42.431		SE560/6HD,02
630	6	integral joint	18.4	53.896		SE630/6HD,02





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