

ZAP™ DUCTILE IRON CEMENT LINED PIPE

PN35 DN 100 – DN 750

Cement Lined, 400gm² Zinc Aluminium + Epoxy Topcoat

MODEL. VXDP3500	PN 35	DN 100-750
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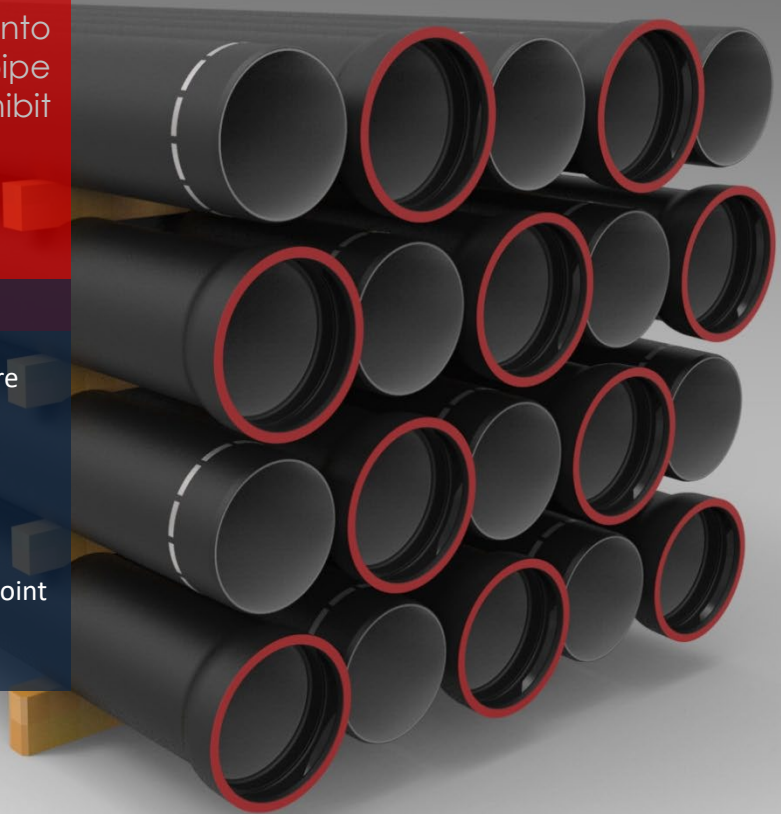
FOR CONVEYANCE OF POTABLE WATER, RAW WATER, IRRIGATION WATER AND SEWAGE UNDER PRESSURE

ZAP™ – Ductile iron pipes are supplied with 400gm² Zinc Aluminium hot metal sprayed onto the external surface of the pipe plus epoxy topcoat to inhibit corrosion.

Optional Portland, Sulphate Resisting and High Alumina

Features & Benefits Internal Lining

- PN35 Allowable Operating Pressure
- High Strength Ductile Iron
- Optional Internal Seal Coating
- AS/NZS 2280:2014 Certified
- WSAA Appraisal No: 1605
- Proven and Reliable Rubber Ring Joint



ZAP™ PN35

Size Range

DN100 – DN750

Effective Length

5.7m Standard

Pressure Rating

AOP 3.5 Mpa
MAOP 4.2 MPa
ASTP 4.37 Mpa

Joint Type

Socket-Spigot “Push-On”
EPDM Rubber Ring Joint
Restrained rubber ring available on request

AS 1646

Cement Lining

OPC – Ordinary Portland Cement
CAC – Calcium Aluminate Cement
SRC – Sulphate Resistant Cement

AS3972 GP, SR, CAC

Optional Seal Coat

Bituminous Interline
876

ISO 16132

External Coating

Metallic Zinc ISO 8179-1

400gm² Zinc Aluminium + Blue/Red Epoxy Topcoat

Polyethylene Sleaving

AS 3860 & AS3681

Protection against corrosive soils is achieved by the application of polyethylene sleaving

PE Sleaving is a proven and cost effective means of corrosion protection.

Training in the correct application of polyethylene sleaving is recommended.



PN35 DICL PIPE PERFORMANCE DATA

Nominal size	DN	100	150	200	225	250	300	375	450	500	600	750
Mean External Diameter	mm	122	177	232	259	286	345	426	507	560	667	826
Mean Internal Diameter	mm	105	160	215	242	268	326	405	483	535	639	792
Effective Length	m	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Mass Including CML & Socket	kg	102	150	200	232	270	356	501	661	779	1080	1596
AOP – Allowable Operating pressure	MPa	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
MAOP – Max Allow Operating Pressure	MPa	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
ASTP – Allowable Site Test Pressure	MPa	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
Pipe Wall Thickness (Min)	mm	3.5	3.5	3.5	3.5	3.6	4.3	5.3	6.3	7.0	8.3	10.2
Pipe Wall Thickness (Nominal)	mm	4.93	5.0	5.0	5.0	5.2	5.9	7.0	8.1	8.8	10.2	12.3
Nominal barrel ring stiffness	kN/m/m	816	267	117	83	68	58	53	49	47	44	42
Allowable Deflection	%	4	4	4	4	4	4	4	4	4	4	4
Joint deflection	deg	3.5	3.5	3.5	3.5	3.5	2.5	2.5	2.5	2.5	2.5	1
No. Pipes per Semi Trailer	p/ST	190	130	90	72	64	56	50	32	24	18	8
Allowable Operating Pressure (AOP)	The allowable internal pressure, excluding surge that a component can safely withstand in service. Ductile iron pipe is classified by the PN number, based on the AOP											
Maximum Allowable Operating Pressure (MAOP)	Maximum internal pressure, including surge, that a component can safely withstand in service											
Allowable Site Test Pressure (ASTP)	Maximum pressure applied on site in a newly installed pipeline, includes a safety factor and allowance for surge											

Data is subject to change without notice due to our continuing program of product development.

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Appraisal No: 1605

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HEAD OFFICE

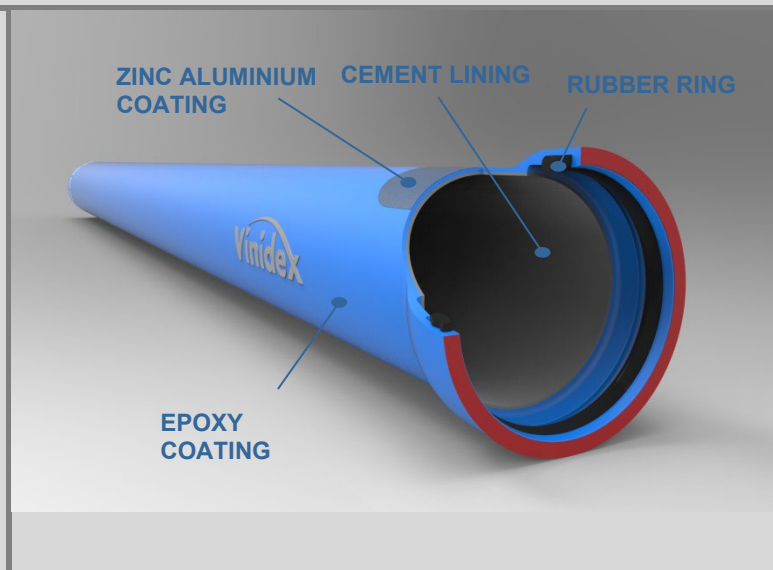
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