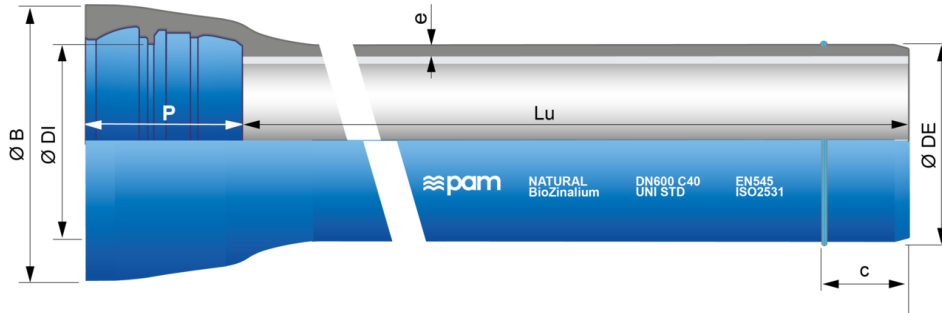


NATURAL BioZinalium pipes DN100 to 1800 with UNIVERSAL STANDARD socket + Weld bead Ve



DN	Lu (m)	Class	e (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Bead position c (mm)	Mass (kg/m)	References
100	5.97	C100	6.1	118	121.4	140	188	90	19.60	NFB10B60AQ
125	5.97	C64	6.1	144	147.4	148	203	95	24.25	NFB12C60AQ
150	5.97	C64	6.2	170	173.4	148	230	95	29.02	NFB15N60AQ
200	5.97	C64	6.5	222	225.2	155	290	100	40.10	NFB20N60AQ
250	5.97	C50	6.8	274	276.8	166	350	110	52.29	NFB25N60AQ
300	5.97	C50	7.4	326	328.8	180	408	115	67.39	NFB30N60AQ
350	5.97	C40	7.7	378	380.9	184	463	115	83.50	NFB35F60AQ
400	5.97	C40	8.1	429	431.9	176	510	113	98.24	NFB40F60AQ
450	5.97	C40	8.6	480	483	190	570	120	117.30	NFB45F60AQ
500	5.97	C40	9.3	532	535	200	625	125	139.23	NFB50F60AQ
600	5.97	C40	10.9	635	638.2	209	740	135	187.81	NFB60F60AQ
700	6.90	C30	10.8	738	741.7	250	855	158	227.00	NFB70G70AQ
700	6.90	C40	12.4	738	741.7	250	855	158	252.00	NFB70F70AQ
700	6.90	C25	8.8	738	741.7	250	855	158	194.19	NFB70H70AQ
800	6.90	C30	11.7	842	845.8	261	980	150	278.21	NFB80G70AQ
800	6.90	C25	9.6	842	845.8	261	980	150	240.59	NFB80H70AQ
900	6.90	C30	12.6	945	948.9	280	1087	155	339.46	NFB90G70AQ
900	6.90	C25	10.6	945	948.9	280	1087	155	339.46	*
1000	6.90	C30	13.5	1048	1052	279.5	1191	165	391.95	NFC10G70AQ
1000	6.90	C25	11.6	1048	1052	279.5	1191	165	348.84	NFC10H70AQ
1100	8.13	C30	14.7	1152	1168	284	1317.8	165	467.24	NFC11G80AQ
1200	8.15	C25	15.3	1255	1260	279.5	1415	170	524.18	NFC12H80AQ
1200	8.15	C30	16.5	1255	1260	279.5	1415	170	556.58	NFC12G80AQ

DN	Lu (m)	Class	e (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Bead position c (mm)	Mass (kg/m)	References
1400	8.09	C25	17.1	1462	1468.5	330	1640.1	190	714.19	NFC14H80AQ
1400	8.09	C30	20.8	1462	1468.5	330	1640.1	190	830.39	NFC14G80AQ
1500	8.09	C25	16.7	1565	1571.1	330	1758.1	192	767.64	NFC15H80AQ
1600	8.09	C25	17.7	1668	1674.2	330	1874	195	858.05	NFC16H80AQ
1800	8.07	C30	23	1875	1881.7	360	2088.5	222	1201.20	NFC18G80AQ

(*) please consult us

Legend:

- DN: nominal diameter
- Lu: laying length, in m
- Class: pressure class according to EN 545 and ISO 2531
- e: nominal thickness according to ISO 2531, in mm
- ØDE: external nominal diameter of the barrel according to EN 545 and ISO 2531, in mm
- ØDI: internal nominal diameter of the socket, in mm
- P: nominal depth of the socket, in mm
- ØB: nominal diameter of the socket, in mm
- c: weld bead position, in mm
- Mass: total mass per metre (including cement coating and socket), determined with the nominal thickness, in kg/m
- Reference: commercial reference Saint-Gobain PAM

Field of use:

- For drinking water and other water network applications (except sewage water)

Main characteristics:

- Pressure class in conformity with Standard EN 545-2010 and ISO 2531-2009
- External BioZinalium[®] coating consists of two layers:
 - a layer of zinc-aluminium 85/15 alloy, enriched with copper, with a minimum surface density of 400g/m², applied by spraying molten metal onto the surface of the iron, using an electric arc spray gun, from ZnAl (Cu) alloy wire
 - a protective layer of Aquacoat (semi-permeable), a water-based blue acrylic of average thickness 80 microns applied using a spray gun (RAL 5005)
- Internal coating: sulfate resisting blast furnace cement mortar
- Standard joint in alimentary elastomer EPDM (ACS, KTW, WRAS,...)
- Vi anchoring without bolts

Type of soils:

BioZinalium[®] coating can be in contact with all type of soil, as defined in Annex D.2.2 of EN545:2010, except:

- peaty and acid soils
- soils containing wastes, scraps, ashes, slags or soils contaminated by industrial effluents or other wastes
- soils located under the level of the marine water table with a resistivity lower than 500 Ω cm

In such soils, and also in the event of stray currents, it is recommended to use other types of external coatings for more aggressive soils (TT PE or TT PUX ranges).

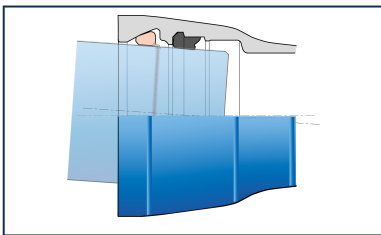
Type of water:

NATURAL[®] ductile iron pipes with internal coating of sulphate resisting blast furnace cement mortar are adapted to convey all types of drinking water in conformity with Directive EU 2020/2184. In case of other type of water, please refer to below information:

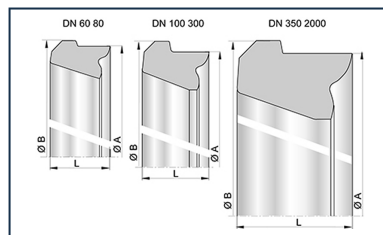
	Minimum value	Maximum value			
Parameter	pH	CO2 aggressive	Sulphate	Magnesium	Ammonium
Unit	-	mg/l	mg/l	mg/l	mg/l
Value	5,5	15	3000	500	30

Blast furnace cement mortar is a sulphate resisting cement (SRC).

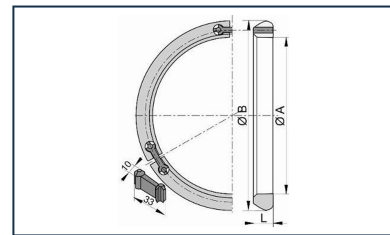
Linked products



Kit Universal Standard Ve Pipe + Universal Standard Ve Joint



Standard gasket for Pipes and Fittings DN60-2000



Locking Ring for UNI Ve joint DN80-1800



Lubricating paste -
BLUPAM



Lubricating paste -
NATURAL, INTEGRAL,
and PLUVIAL ranges

The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.