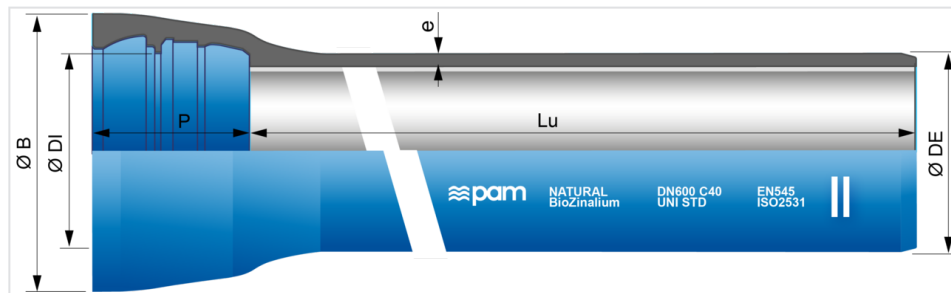


NATURAL BioZinalium pipes DN80 to 700 with UNIVERSAL STANDARD socket



DN	Lu (m)	Class	e (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Mass (kg/m)	References
80	5.97	C100	6.1	98	101.4	143	158	15.80	NGA80B60AQ
100	5.97	C100	6.1	118	121.4	140	188	19.60	NGB10B60AQ
125	5.97	C64	6.1	144	147.4	148	203	24.25	NGB12C60AQ
150	5.97	C64	6.2	170	173.4	148	230	29.02	NGB15N60AQ
200	5.97	C64	6.5	222	225.2	155	290	40.10	NGB20N60AQ
250	5.97	C50	6.8	274	276.8	166	350	52.29	NGB25N60AQ
300	5.97	C50	7.4	326	328.8	180	408	67.39	NGB30N60AQ
350	5.97	C40	7.7	378	380.9	184	463	83.50	NGB35F60AQ
400	5.97	C40	8.1	429	431.9	176	510	98.24	NGB40F60AQ
450	5.97	C40	8.6	480	483	190	570	117.30	NGB45F60AQ
500	5.97	C40	9.3	532	535	200	625	139.23	NGB50F60AQ
600	5.97	C40	10.9	635	638.2	209	740	187.81	NGB60F60AQ
700	6.90	C30	10.8	738	741.7	250	855	227.00	NGB70G70AQ

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
- 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:

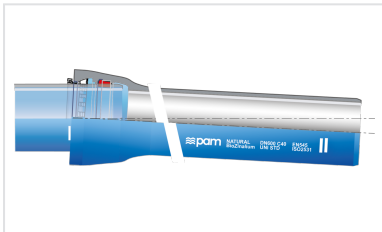
NATURAL® ductile iron pipes with internal coating of sulphate resisting blast furnace cement mortar are adapted to convey all types of drinking water in conformity with Directive EU 2020/2184.

In case of other type of water, please refer to below information:

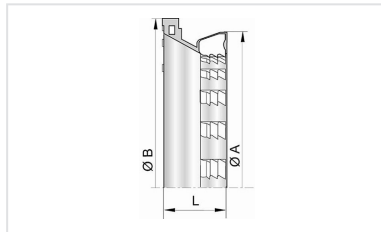
	Minimum value	Maximum value			
Parameter	pH	CO2 aggressive	Sulphate	Magnesium	Ammonium
Unit	-	mg/l	mg/l	mg/l	mg/l
Value	5,5	15	3000	500	30

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

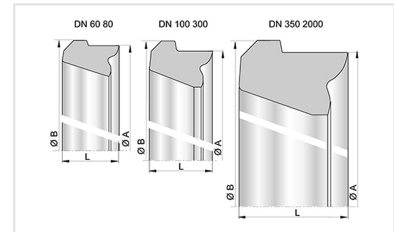
Linked products



Kit Universal Standard Pipe
 + Universal Standard Vi
 joint



UNI Vi Locked Ring
 DN80-700



Standard gasket for Pipes
 and Fittings DN60-2000



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.