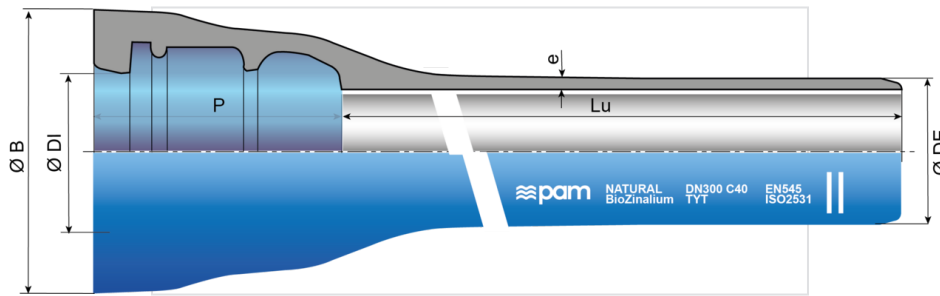


**NATURAL BioZinalium pipes DN80 to 300 with TYTON socket (preferred pressure classes)**



DN	Lu (m)	Class	e (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Mass (kg/m)	References
80	6.00	C50	4.9	98	100.5	84	144.1	13.00	NYA80D60AQ
100	6.00	C50	4.9	118	120.5	88	166.9	15.80	NYB10D60AQ
125	6.00	C50	4.9	144	146.5	91	193.1	19.50	NYB12D60AQ
150	6.00	C50	5	170	172.5	94	220.8	23.90	NYB15D60AQ
200	6.00	C50	5.4	222	224.5	100	275.1	33.50	NYB20D60AQ
250	6.00	C40	5.5	274	276.5	105	328.6	43.90	NYB25F60AQ
300	6.00	C40	6.2	325	328.9	110	385.3	55.50	NYB30F60AQ

**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/m<sup>2</sup>, 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
- Tyton 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:

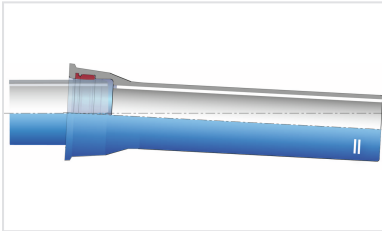
NATURAL® ductile iron pipes with internal coating of sulphate resisting blast furnace cement mortar are adapted to convey all types of drinking water in conformity with Directive 98/83/CE.

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

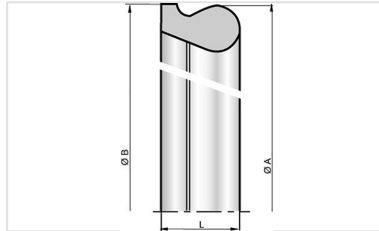
	Minimum value	Maximum value			
Parameter	pH	CO2 aggressive	Sulphate	Magnesium	Ammonium
Unit	-	mg/l	mg/l	mg/l	mg/l
Value	5,5	15	3000	500	30

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

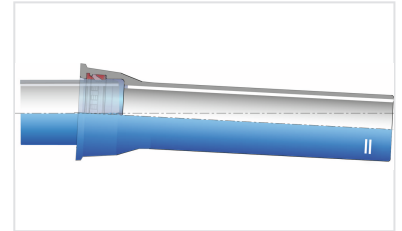
**Linked products**



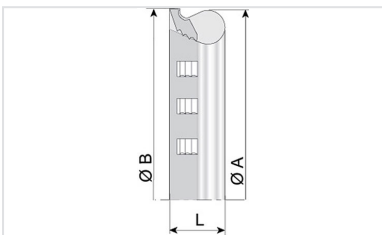
Kit Tyton Pipe + Tyton Gasket



TYT Gasket for TYT Pipes and Fittings DN80-300



Kit Tyton Pipe + Tyton Vi Gasket



Tyton Vi gasket for Tyton Pipes and Fittings



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.*