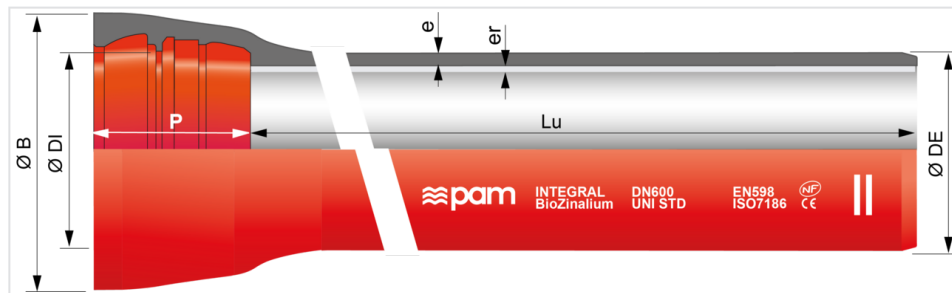


## INTEGRAL BioZinalium pipes DN150 to 600 with UNIVERSAL STANDARD socket

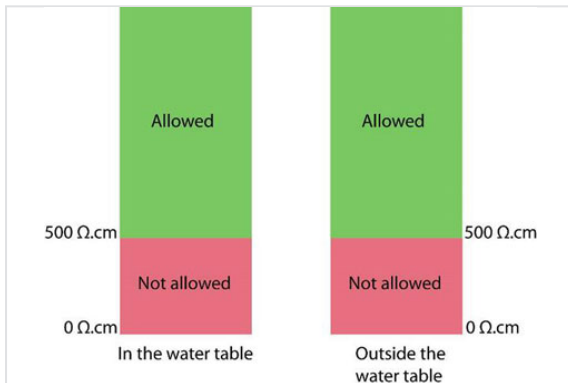


DN	Lu (m)	e (mm)	er (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Mass (kg/m)	PFA	References
150	5.97	6.2	4	170	173.4	148	230	29.10	48 bar	TGB15N60BP
200	5.97	6.5	4	222	225.2	155	290	40.10	43 bar	TGB20N60BP
250	5.97	6.8	4	274	276.8	166	350	52.30	39 bar	TGB25N60BP
300	5.97	7.4	4	326	328.8	180	408	67.40	34 bar	TGB30N60BP
350	5.97	7.7	5	378	380.9	184	463	83.60	25 bar	TGB35N60BP
400	5.97	8.1	5	429	431.9	176	510	98.30	20 bar	TGB40N60BP
450	5.97	8.6	5	480	483	190	570	117.40	16 bar	TGB45N60BP
500	5.97	9.3	5	532	535	200	625	139.30	16 bar	TGB50N60BP
600	5.97	10.9	5	635	638.2	209	740	187.90	16 bar	TGB60N60BP

### Legend:

- DN: nominal diameter
- Lu: laying length, in m
- e: thickness according to EN598 + A1 - August 2009, in mm
- er: thickness of the cement mortar, in mm
- ØDE: external nominal diameter of the barrel according to EN598 + A1 - August 2009, 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 meter (including cement coating and socket), determined with the nominal thickness, in kg/m
- Reference: commercial reference Saint-Gobain PAM

## Field of use:

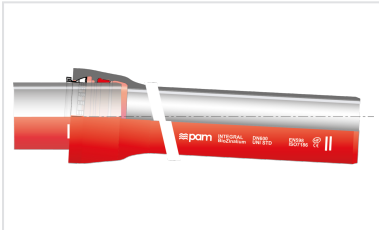


- Separate sewer system and combined sewer system
- Application: gravity flow and rising main sewerage systems
- Type of effluent: domestic wastewater and rainwater
- Perfectly watertight
- For effluents between pH4 and pH12
- For the soils with  $6 < \text{pH} < 9$
- Majority of the soils, except the acid peaty and polluted soils
- Suitable for clay soils
- Resistivity of the soils: please refer to above drawing

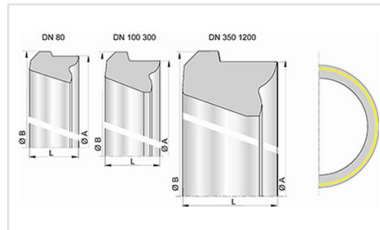
## Main characteristics:

- External coating <sup>Bio</sup>Zinalium: a layer of zinc-aluminium alloy enriched with copper Zn85Al15 (Cu), with surface density of 400 g/m<sup>2</sup> covered with a protective red (RAL 3011) layer AQUACOAT 80 µm (mini average), without VOC and without BPA.
- Internal lining: aluminous cement mortar CALCOAT
- Socket coating: zinc rich paint 40 µm or zinc-aluminium 200 g/m<sup>2</sup> + red AQUACOAT 160 µm (mini average)
- Spigot coating: zinc-aluminium (Cu) 400 g/m<sup>2</sup> + red AQUACOAT 160 µm (mini average)
- Standard Gasket in Nitrile
- EN 598 / CE Marking
- NF mark
- Declaration of performances [DoP-INTEGRAL005EN](#)
- Designed in accordance with applicable regulations:
  - NF EN 476: general stipulations regarding components used in systems
  - NF EN 752: design of sewerage projects
  - NF EN 1610: acceptance of structures
  - CCTG: Fascicule 70 (sewage work)

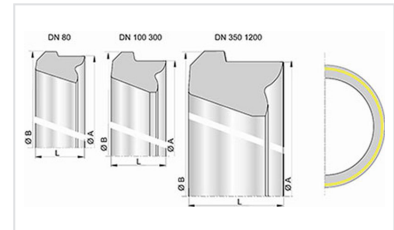
## Linked products



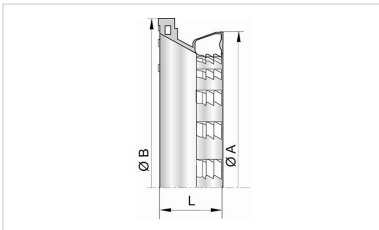
Kit Universal Standard  
INTEGRAL Pipe + Universal  
Standard Vi Joint



UNI STD Vi joint for  
INTEGRAL® Pipes and  
Fittings DN80-700



Nitrile STD Gasket  
DN80-2000



UNI Vi Locked Ring  
DN80-700



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.*