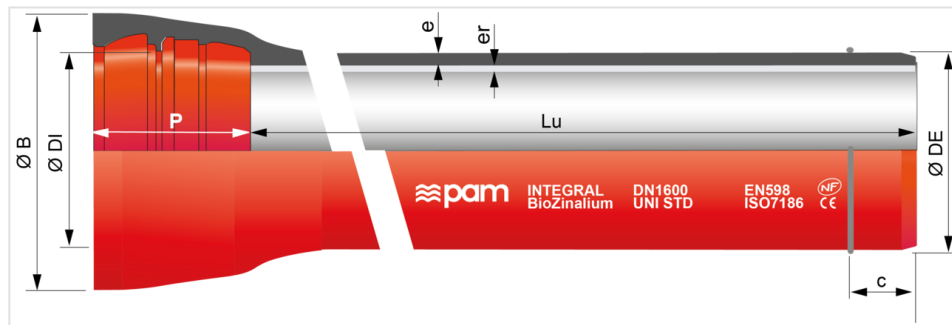


## INTEGRAL BioZinalium pipes DN150 to 1600 with UNIVERSAL STANDARD socket + Weld bead Ve

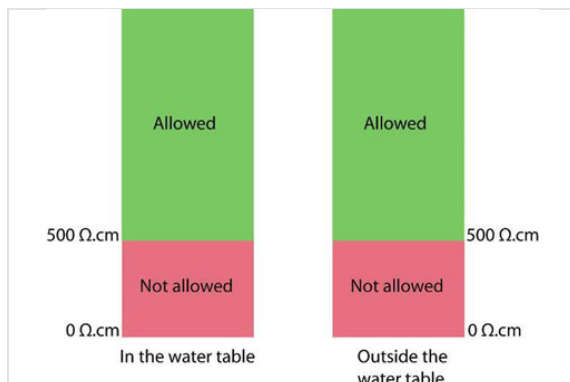


DN	Lu (m)	e (mm)	er (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Bead position c (mm)	Mass (kg/m)	PFA	References
150	5.97	6.2	4	170	173.4	148	230	95	29.10	60 bar	TFB15N60BP
200	5.97	6.5	4	222	225.2	155	290	100	40.10	52 bar	TFB20N60BP
250	5.97	6.8	4	274	276.8	166	350	110	52.30	46 bar	TFB25N60BP
300	5.97	7.4	4	326	328.8	180	408	115	67.40	41 bar	TFB30N60BP
350	5.97	7.7	5	378	380.9	184	463	115	83.60	38 bar	TFB35N60BP
400	5.97	8.1	5	429	431.9	176	510	113	98.30	35 bar	TFB40N60BP
450	5.97	8.6	5	480	483	190	570	120	117.40	32 bar	TFB45N60BP
500	5.97	9.3	5	532	535	200	625	125	139.30	30 bar	TFB50N60BP
600	5.97	10.9	5	635	638.2	209	740	135	187.90	30 bar	TFB60N60BP
700	6.90	10.8	6	738	741.7	250	855	158	226.50	27 bar	TFB70N70BP
800	6.90	11.7	6	842	845.8	261	980	150	278.20	25 bar	TFB80N70BP
900	6.90	12.6	6	945	948.9	280	1087	155	339.94	25 bar	TFB90N70BP
1000	6.90	13.5	6	1048	1052	279.5	1191	165	393.71	25 bar	TFC10N70BP
1200	8.15	15.3	6	1255	1260	279.5	1415	170	524.45	20 bar	TFC12N80BP
1400	8.09	17.1	9	1462	1468.5	330	1640.1	190	714.67	16 bar	TFC14N80BP
1600	8.09	18.9	9	1668	1674.2	330	1874	195	901.80	16 bar	TFC16N80BP

## 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, en 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 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

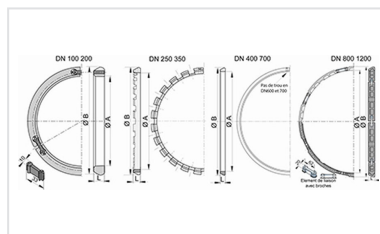
## Main characteristics:

- External coating **BioZinalium**: 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)

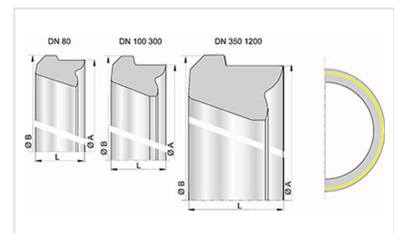
## Linked products



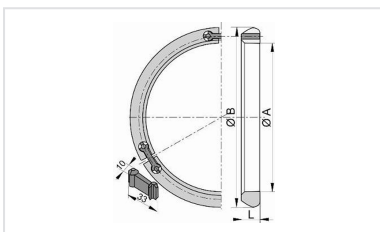
Kit Universal Standard Ve INTEGRAL Pipe + Universal Standard Ve Joint



UNI STD Ve joint for INTEGRAL® Pipes and Fittings DN100-1600



Nitrile STD Gasket DN80-2000



Locking Ring for UNI Ve joint DN80-1800



Lubricating paste - BLUPAM



Lubricating paste - NATURAL, INTEGRAL, and PLUVIAL ranges



# INTEGRAL WASTE AND RAINWATER DN 150 - 1600

06/06/2026  
SILSP34UVE078

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*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.*

