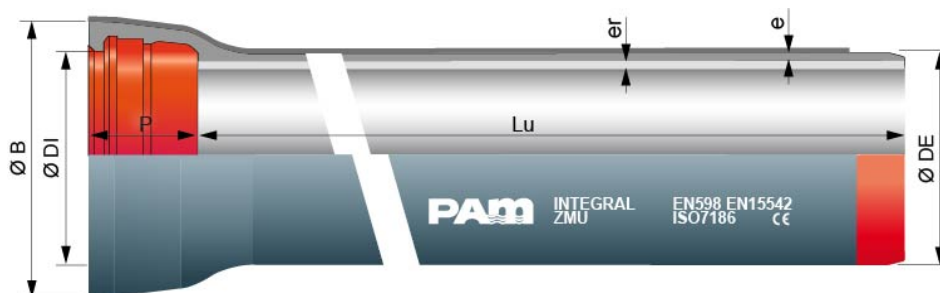


INTEGRAL ZMU pipes DN150 to 1200 with STANDARD socket



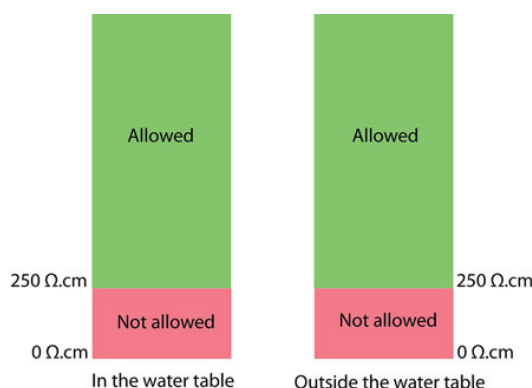
DN	Lu (m)	e (mm)	er (mm)	e1 (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Mass (kg/m)	PFA	References
150	6.00	5	4	5	170	173.4	100.5	220.8	29.20	40 bar	266075
200	6.00	5.4	4	5	222	225.2	106.5	275.1	40.40	40 bar	266078
250	6.00	5.3	4	5	274	276.8	105.5	352	49.80	38 bar	204627
300	6.00	5.6	4	5	326	328.8	107.5	409.2	61.70	35 bar	209925
350	6.00	6	5	5	378	380.9	110.5	464.2	77.60	32 bar	209926
400	6.00	6.3	5	5	429	431.9	112.5	516.2	91.20	30 bar	209927
500	6.00	7	5	5	532	535	117.5	629.2	122.30	28 bar	209929
600	6.00	7.7	5	5	635	638.1	132.5	738.5	157.00	26 bar	209930
700	6.96	9.6	6	5	738	741.7	192	821.9	222.40	29 bar	DSB70E70B4
800	6.95	10.4	6	5	842	845.8	197	935.6	270.40	28 bar	DSB80E70B4
900	6.95	11.2	6	5	945	948.9	200	1043.4	321.60	27 bar	DSB90E70B4
1000	6.96	12	6	5	1048	1052	203	1152.4	376.60	26 bar	DSC10E70B4
1200	6.93	15.3	6	5	1255	1260	235	1373.7	554.00	29 bar	DSC12N70B4

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
- e1: external thickness of ZMU coating, in mm (cement mortar with acrylic fibers and resin)
- 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 most of the soils, including rocky soils, those pipes can be laid with the native soils backfill.
- Resistivity of the soils:

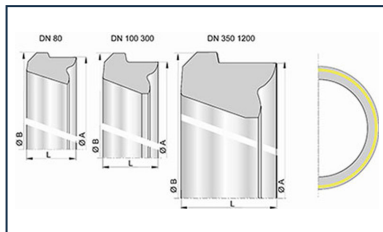
Main characteristics:

- External coating: a layer of zinc-aluminium alloy enriched with copper Zn85Al15 (Cu), with surface density of 400 g/m² covered with a protective red (RAL 3011) layer AQUACOAT 80 µm (mini average), without VOC and without BPA + grey cement mortar ZMU with polymeric additive and reinforced with PE fibers
- Internal lining: aluminous cement mortar CAL
- Socket coating: zinc rich paint 40 µm or zinc-aluminium 200 g/m² + red AQUACOAT 160 µm (mini average)
- Spigot coating: zinc-aluminium (Cu) 400 g/m² + red AQUACOAT 160 µm (mini average)
- Standard Gasket in Nitrile, EN 681-1, WG type
- EN 598 / CE Marking
- 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

Linked products



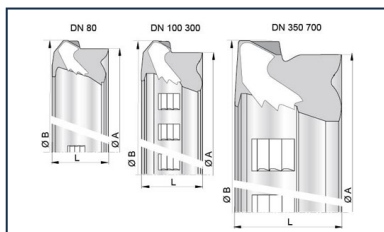
Kit Standard INTEGRAL
Pipe + Standard Gasket



Nitrile STD Gasket
DN80-2000



Kit Standard INTEGRAL
Pipe + Standard Vi Gasket



Gasket ViLoK® (NBR STD
Vi) 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.