PRODUCT DATA SHEET

Double sanitary

Hyper flexible, pre-insulated piping system, combining both the flow and the loop medium pipes in the same jacket pipe, primarily intended for the transport of sanitary hot water in buried distribution networks.

The medium pipes are made from cross-linked polyethylene PE-Xa, whitish colour.

The multilayer thermal insulation is made from cross-linked, microcellular polyethylene PE-X foam with a water-repellent closed cell structure, characterized by its durable, non-ageing insulation performance, and its permanent elasticity, maximizing and maintaining the thickness of the insulation layer, even after bending multiple times.

The high-grade, black coloured UV-resistant, double walled, corrugated HDPE jacket pipe shields the pre-insulated piping system against mechanical impacts and moisture, whilst maintaining maximum flexibility.

- Medium pipes: PE-Xa/SDR 7.4/PN 10
- Continuous operating temperature: 80°C
- Max. operating temperature: 95°C
- PE-X insulation foam: < 1% water absorption in accordance with ISO 2896
- Full coil length, all dimensions: 100 m
- CFC-free production process

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	Jacket pipe	Medium pipe		Bending radius	Water content	Weight
Art. No.	d_{out} [mm]	d_{out} x s [mm]	d_{in} [mm]	[m][1]	[l/m]	kg/m
SD1402520	140	25 x 3.5 20 x 2.8	18.0 14.4	0.35	0.417	1.9
SD16025	160	25 x 3.5 25 x 3.5	18.0 18.0	0.50	0.508	2.2
SD1403225	140	32 x 4.4 25 x 3.5	23.2 18.0	0.40	0.677	2.1
SD1603225	160	32 x 4.4 25 x 3.5	23.2 18.0	0.50	0.677	2.5
SD1604025	160	40 x 5.5 25 x 3.5	29.0 18.0	0.60	0.914	2.5
SD1605025	160	50 x 6.9 25 x 3.5	36.2 18.0	0.60	1.283	2.8
SD1605032	160	50 x 6.9 32 x 4.4	36.2 23.2	0.60	1.452	3.0

[1] The indicated minimum bending radius can be applied permanently without affecting the system's quality or performance

The installation of adequately anchored fix points at the system's extremities (typically at wall penetrations) is mandatory. This is to secure the connected piping against the potential impact of the system's dilatation forces (thermal expansion/retraction).
To prevent ingress of (ground) water, Terrendis prescribes the usage of shrink end caps to seal the extremities of the non-bonded piping system.
Failing to do so involves a genuine damage risk and automatically voids the system warranty.