

PRODUCT DATA SHEET

Single sanitary

Hyper flexible, pre-insulated piping system with a single medium pipe, primarily intended for the transport of sanitary hot water in buried distribution networks.



The medium pipe is 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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Art. No.	Jacket pipe	Medium pipe		Bending radius	Water content	Weight
	d _{out} [mm]	d _{out} x s [mm]	d _{in} [mm]	[m] ^①	[l/m]	kg/m
S7525	75	25 x 3.5	18.0	0.20	0.254	0.7
S9032	90	32 x 4.4	23.2	0.25	0.423	1.1
S14032	140	32 x 4.4	23.2	0.40	0.423	1.9
S16032	160	32 x 4.4	23.2	0.40	0.423	2.1
S9040	90	40 x 5.5	29.0	0.30	0.660	1.3
S14040	140	40 x 5.5	29.0	0.40	0.660	2.1
S16040	160	40 x 5.5	29.0	0.40	0.660	2.3
S14050	140	50 x 6.9	36.2	0.50	1.029	2.3
S16050	160	50 x 6.9	36.2	0.50	1.029	2.7
S14063	140	63 x 8.6	45.6	0.60	1.633	2.9
S16063	160	63 x 8.6	45.6	0.60	1.633	3.2
S16075	160	75 x 10.3	54.4	0.80	2.324	3.7
S20075	200	75 x 10.3	54.4	0.90	2.324	4.6
S16090	160	90 x 12.3	65.4	1.10	3.359	4.6
S20090	200	90 x 12.3	65.4	1.20	3.359	5.4
S200110	200	110 x 15.1	79.8	1.30	5.001	6.8

^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.