

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

<sup>(1)</sup> 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 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.