

# HEAT SHRINKABLE SLEEVES FOR DISTRICT HEATING



Termogum heat-shrinkable sleeve for district heating made of crosslinked material is used to reproduce the outer coating of pipe and create a sealed joint of pipe segments in the technology of pre-insulated pipes. Heat-shrinkable sleeve for district heating made of non-crosslinked material are also available.





## PROPERTIES

- ✓ **Very strong type of HDPE material** selected by Termogum for the production of sleeves in order to increase the strength of pipe joints and ensure the long life of the heating Network
- ✓ Innovative, easy to install and reliable sleeves are compatible with all coating pipes made according to the standard **PN-EN 253:2009**
- ✓ All sleeves meet the requirements of soil stress tests and water impermeability test according to **PN-EN 489:2009**
- ✓ Shape memory of crosslinked polyethylene and sleeve's pressing downforce against the pipe coating creates a **tight and durable outer coating of joint** of pre-insulated pipes
- ✓ Crosslinked material provides high mechanical strength and **resistance to tearing and abrasion**
- ✓ Flexible material and **patented production method** of sleeves ensure the tensile strength and resistance to temperature changes associated with changes in transmission factors
- ✓ The ends of the sleeves have extra **100 mm insulation layer of innovative adhesive** that permanently binds, sticks and seals the joints
- ✓ The ends of the sleeves are finished in the shape of the **convex part of the curve**, which is very beneficial for joint sealing by reducing the forces acting on the sleeve during its operation in the ground
- ✓ The shape of the sleeve has been adapted to the harsh conditions of ground, so as to minimize the forces acting on the sleeve installed under the ground
- ✓ Application of Termogum sleeve does **not require the installation of ties, collars or tapes** on the ends of the sleeves, as the single sleeve provides strong sealing thanks to the pressing downforce against the coating pipe, a very robust material and the appropriate shape of the ends of the sleeves
- ✓ Sleeve is also available in a version without hot melt adhesive or with it and mastic



## SLEEVES CATALOGUE

Catalogue number		Coating pipe diameter (mm)	Steel pipe diameter (mm)
Crosslink material	Non-crosslink material		
TMS-90	TM-90	90	20/25
TMS-110	TM-110	110	32/40
TMS-125	TM-125	125	50
TMS-140	TM-140	140	65
TMS-160	TM-160	160	80
TMS-200	TM-200	200	100
TMS-225	TM-225	225	125
TMS-250	TM-250	250	150
TMS-315	TM-315	315	200
TMS-400	TM-400	400	250
TMS-450	TM-450	450	300
TMS-500	TM-500	500	350
TMS-560	TM-560	560	400
TMS-630	TM-630	630	500
TMS-710	TM-710	710	600
TMS-800	TM-800	800	600
TMS-900	TM-900	900	700
TMS-1000	TM-1000	1000	800
TMS-1100	TM-1100	1100	900
TMS-1200	TM-1200	1200	1000

### SLEEVE EQUIPMENT

- ✓ Venting plugs
- ✓ Closing plugs which close the filling holes
- ✓ Sleeve installation instruction
- ✓ Optional additional protective patches which protect places of welding the closing plugs, also available in a version reinforced by fiberglass
- ✓ Option of delivery of a complete joint, which also includes polyurethane foam

