

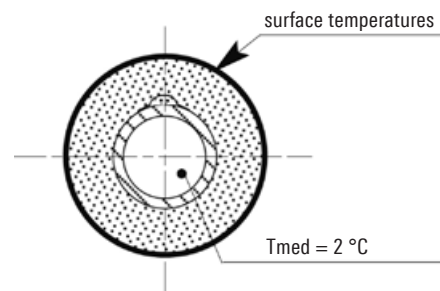
Heat loss

Heat losses at different external temperatures or surface temperatures of the casing pipe.

Medium temperature: 2 °C

The frost protection strip can no longer compensate for a heat loss of more than 10 W/m, and there is a **danger of freezing**.

If the pipes are laid underground (covered height of 0.6 m), the heat losses are **reduced** by at least 20%.



surface temperature of the outer casing °C	EIGERFLEX® pipe dimensions							
	25/76	32/76	40/91	50/91	63/126	75/126	90/162	110/162
	q W/m Medium temperature: 2 °C							
-1	0.6	0.7	0.8	1.1	0.9	1.2	1.1	1.7
-2	0.8	1.0	1.0	1.4	1.2	1.6	1.4	2.2
-3	1.0	1.2	1.3	1.8	1.6	2.0	1.8	2.8
-4	1.1	1.4	1.6	2.2	1.9	2.5	2.2	3.4
-5	1.3	1.7	1.8	2.5	2.2	2.9	2.5	3.9
-6	1.5	1.9	2.1	2.9	2.5	3.3	2.9	4.5
-7	1.7	2.2	2.3	3.2	2.8	3.7	3.2	5.0
-8	1.9	2.4	2.6	3.6	3.1	4.1	3.6	5.6
-9	2.1	2.6	2.9	4.0	3.4	4.5	4.0	6.2
-10	2.3	2.9	3.1	4.3	3.7	4.9	4.3	6.7
-11	2.5	3.1	3.4	4.7	4.0	5.3	4.7	7.3
-12	2.7	3.4	3.6	5.0	4.3	5.7	5.0	7.8
-13	2.9	3.6	3.9	5.4	4.7	6.1	5.4	8.4
-14	3.0	3.8	4.2	5.8	5.0	6.6	5.8	9.0
-15	3.2	4.1	4.4	6.1	5.3	7.0	6.1	9.5
-16	3.4	4.3	4.7	6.5	5.6	7.4	6.5	10.1
-17	3.6	4.6	4.9	6.8	5.9	7.8	6.8	10.6
-18	3.8	4.8	5.2	7.2	6.2	8.2	7.2	11.2
-19	4.0	5.0	5.5	7.6	6.5	8.6	7.6	11.8
-20	4.2	5.3	5.7	7.9	6.8	9.0	7.9	12.3
-21	4.4	5.5	6.0	8.3	7.1	9.4	8.3	12.9
-22	4.6	5.8	6.2	8.6	7.4	9.8	8.6	13.4
-23	4.8	6.0	6.5	9.0	7.8	10.2	9.0	14.0
-24	4.9	6.2	6.8	9.4	8.1	10.7	9.4	14.6
-25	5.1	6.5	7.0	9.7	8.4	11.1	9.7	15.1
-26	5.3	6.7	7.3	10.1	8.7	11.5	10.1	15.7
-27	5.5	7.0	7.5	10.4	9.0	11.9	10.4	16.2
-28	5.7	7.2	7.8	10.8	9.3	12.3	10.8	16.8
-29	5.9	7.4	8.1	11.2	9.6	12.7	11.2	17.4
-30	6.1	7.7	8.3	11.5	9.9	13.1	11.5	17.9
-31	6.3	7.9	8.6	11.9	10.2	13.5	11.9	18.5
-32	6.5	8.2	8.8	12.2	10.5	13.9	12.2	19.0
-33	6.7	8.4	9.1	12.6	10.9	14.3	12.6	19.6
-34	6.8	8.6	9.4	13.0	11.2	14.8	13.0	20.2
-35	7.0	8.9	9.6	13.3	11.5	15.2	13.3	20.7
-36	7.2	9.1	9.9	13.7	11.8	15.6	13.7	21.3
-37	7.4	9.4	10.1	14.0	12.1	16.0	14.0	21.8
-38	7.6	9.6	10.4	14.4	12.4	16.4	14.4	22.4
-39	7.8	9.8	10.7	14.8	12.7	16.8	14.8	23.0
-40	8.0	10.9	10.9	15.1	13.0	17.2	15.1	23.5

Danger of freezing