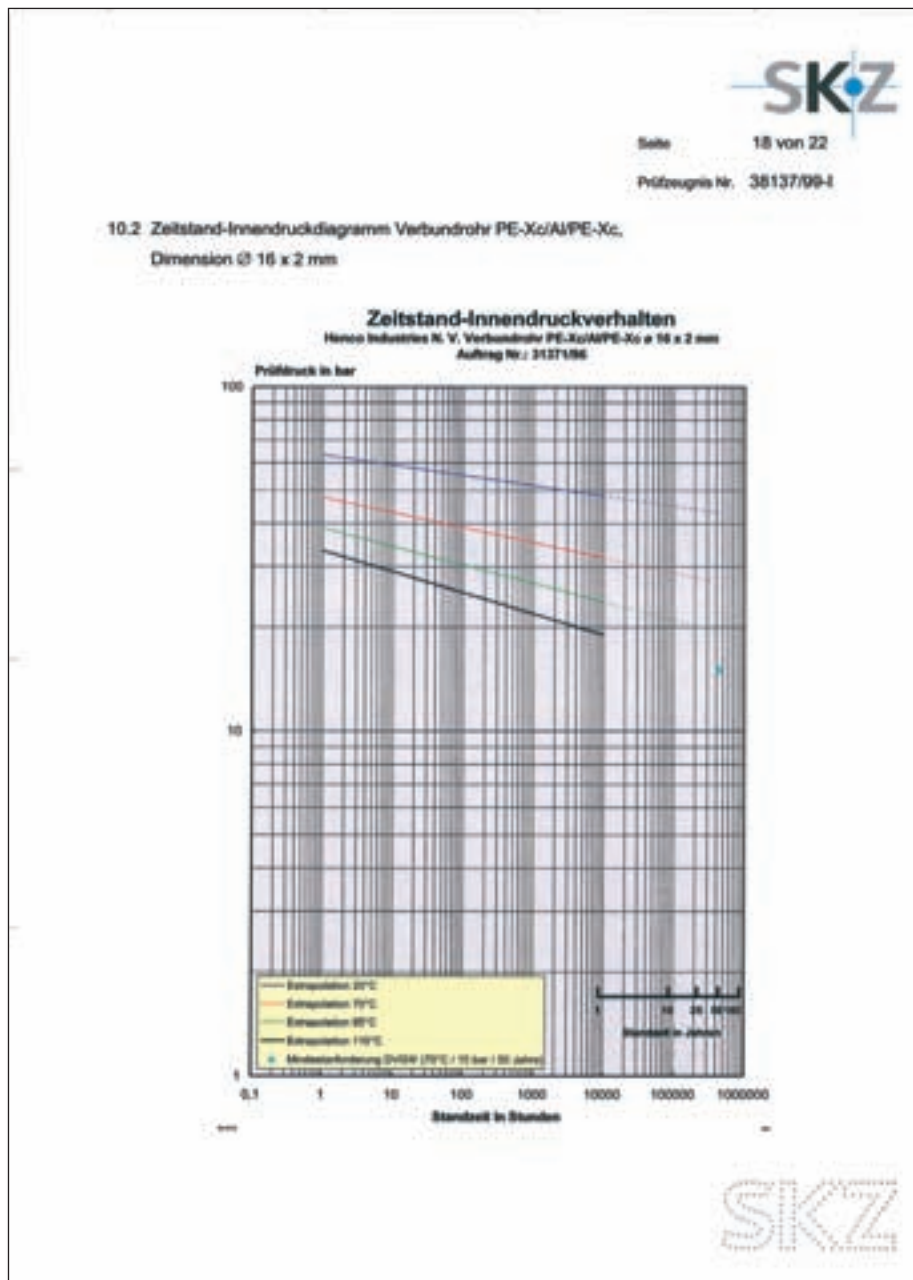


1.2.5 Regression curve (working life)

The working life of the multilayer pipe depends on the temperature and pressure in the pipe. The straight lines in the diagram show which pressure the pipe can resist at a certain age and a constant water temperature. It is clear that the pipe can withstand less pressure as it becomes older. To obtain German DVGW certification, after 50 years and a constant water temperature of 70°C a pipe must be able to withstand a pressure 1.5 times greater than the working pressure. A regression curve is diameter-dependent.

The regression curves for the different diameters of the Henco multilayer pipe show that with any diameter, after 50 years with a water temperature of 70°C, a pressure can be resisted that is much higher than that required for DVGW certification. The Henco pipe has a working life of at least 50 years.

An example is shown below of the regression curve for diameter 16, as drawn up by the test laboratory of the SKZ in Germany.



- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13