Life Expectancy of STRAUB sealing sleeves

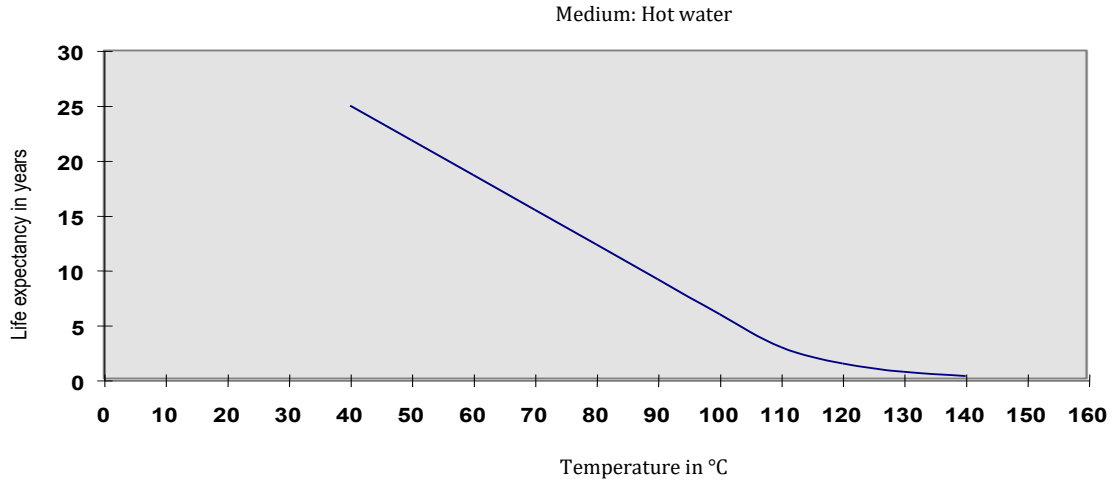
The life expectancy of STRAUB pipe joints and STRAUB repair clamps fitted with sealing sleeves made of NBR or EPDM can extend to 25 years or more, provided that recommended storage procedures are correctly adhered to. See below for details.

Within the tolerances mentioned in our installation instructions, STRAUB offers a warranty for 5 years.

Application conditions

The life span of sealing sleeves is reduced with increasing temperature, and dynamic and chemical stress.

Anticipated life expectancy of STRAUB sealing sleeves relative to temperature effects



Load-reducing effects such as pressure surges, temperature swings and aggressive media, etc. are not taken into account in this diagram.
Subject to performance requirements the elasticity of STRAUB sealing sleeves is sufficient to cope with temperatures down to minus 30°C. There is a loss of elasticity below this point which, under the stress of additional dynamic loading, can result in disruption of the elastomer.

The coupling casing and the anchoring ring (GRIP) completely enclose the sealing sleeve and therefore protect it from UV irradiation.

Because of their progressive sealing effect, STRAUB sealing sleeves require a smaller tightening force and are therefore subjected to less stress than, say, a flange seal. The elasticity and hence the working life of STRAUB sealing sleeves is consequently maintained over a longer period.

Storage

Recommended long term storage conditions:
- avoid exposure to direct sunlight
- store at consistent temperatures (maximum 40°C)
- the relative humidity should be kept above 50%
- protect from dirt or soiling

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