

### Service life of sealing systems

#### Shelf life vs. service life

The shelf life or storage time provides information on how long a gasket material may be stored at most before it is installed (cf. TechInfo 2). The service life of a sealing system describes the time during which the sealing system fulfils its proper function.

#### Service life of a sealing system

The service life of a sealing system depends on several parameters. The most important ones are:

- the medium to be sealed and the chemical resistance of the sealing material against this medium.
- temperature of the application
- pressure in the application
- correct design of the sealing system with regard to seal geometry, number and size of bolts, bolt material and bolt lubrication with the corresponding tightening torque
- level of surface pressure during installation and operation, which depends significantly on correct installation of the previously designed sealing joint.

Under consideration of the mentioned edge conditions and intended use, the service life of a sealing system is in principle not limited. Information on service lives of more than 20 years with Frenzelit novapress®, novaphit®, novafalon®, novatec® and novamica® seals is available from on-site experience.

Application engineering questions?

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