FlatSeal™ Guide 8

Shelf Life of Sealing Materials

Storage Recommendations in Accordance with ISO 2230

- Room temperature: < 25°C / 77°F, stored away from direct sources of heat
- Humidity: store products dry, < 65% rel. humidity
- Light: products should be protected from direct sunlight, UV and artificial light that has a high UV content*
- Radiation: products should be protected from all sources of ionizing radiation*
- Ozone: storage rooms should not contain any equipment capable of generating ozone*
- Deformation: products should be stored without superimposed tensions, compressive stresses or other causes of deformation; do not hang sealing rings!
- Principle of storing “FIFO“ = “First In – First Out“

* Especially for rubber-bonded products

Recommendations for HMF30 Series, HMF40 Series, HMF66

Shelf life: unlimited

Recommendations for HMF10 Series, HMF20, or other FlatSeal™ products

Shelf life: at least 5 years

For elastomer gaskets, and due to a marginal percentage of elastomers in the fiber-reinforced gasket materials, it is recommended to observe the above recommendations strictly. These recommendations are determined and proved by long-term tests with respect to important sealing properties.

Please note: If the optimum temperature of 25°C is increased by 10°C over a longer period, the storage time is expected to be reduced by 50%.

Further Information

Other FlatSeal™ Guides deal with the following basic topics:

FlatSeal™ Guide 1 – Fundamentals of Flat Gasket Technology
FlatSeal™ Guide 2 – Choice of Sealing Material
FlatSeal™ Guide 3 – Installation Instructions
FlatSeal™ Guide 4 – Optimized Gasket Geometry
FlatSeal™ Guide 5 – Lubrication of Bolts
FlatSeal™ Guide 6 – Roughness of Sealing Surfaces
FlatSeal™ Guide 7 – Service Life of Sealing Systems
FlatSeal™ Guide 8 – Shelf Life of Sealing Materials
FlatSeal™ Guide 9 – Tolerances Cut Parts
FlatSeal™ Guide 10 – Temperature Test