

Shelf Life of KLINGER gasket material

Shelf life of KLINGERSIL®, KLINGER®top-sil, KLINGER®top-graph and KLINGER®Quantum gasket materials

Compressed non asbestos gasket materials are as all elastomers and elastomer containing materials subject to a natural ageing process. This process is depending on the kind of elastomer, its vulcanisation system and the storage conditions.

Basically a storage according to ISO 2230 (Rubber products – Guidelines for storage) is recommended.

Unfavourable storage conditions can lead to a premature reduction of the materials quality. Above all there is to mention elevated temperature, too low humidity as well as strong illumination.

Storage conditions according to ISO 2230:

- Storage according the “First In – First Out” principle
- Temperature < 25°C
- Relative humidity < 65%
- Storage room without direct sunlight
- No contact with metals

According the storage conditions defined in the ISO 2230 a storage of 7 years for KLINGERSIL®, KLINGER®top-sil, KLINGER®top-graph and KLINGER®Quantum is possible (except KLINGERSIL®C-6307 and KLINGERSIL®C-6327 - > 5 years resp. KLINGERSIL®C-8200 - >10 years).

Actually there is no chance to define the changing of the storage time due to changes of the 3 influence factors (temperature, humidity, illumination).

The main influence factor is certainly the temperature in the storage area.

If the temperature in the storage area is 10°C higher than ideal (= 25°C) for a longer time the ISO 2230 defines a reduction in storage time of 50%.

We recommend therefor a conditioning of the storage area according to ISO 2230.

Ready made gaskets should be stored flat as, particularly for bigger gasket sizes, tensions and distortions can occur and complicate the installation.

Certified according to DIN EN ISO 9001:2008

Rich. Klinger Dichtungstechnik
GmbH & Co KG
Am Kanal 8-10
A-2352 Gumpoldskirchen, Austria
Phone ++43 (0) 2252/62599-137
Fax ++43 (0) 2252/62599-296
e-mail: marketing@klinger.co.at
<http://www.klinger.co.at>