



GORE® Joint Sealant DK 401



Sealant for handholes, manholes and other access holes SEALANT FOR ACCESS HOLES

GORE® Joint Sealant DK 401 has been specifically developed for internally sealed access holes on hot water, pressure and steam vessels.

It is the first cord-type sealant to be tested and approved according to VdTÜV guideline “Sealant 100” and Technical Regulations for Steam Vessels (TRD) 401, appendix 1 for test class “d”. Suitable for applications in internally sealed access holes, it can withstand temperatures up to 250 °C and steam pressures up to 40 bar.

GORE® Joint Sealant DK 401 is available on spools and is therefore suitable for any size of opening regardless of the type of construction material.

The structure of GORE® Joint Sealant DK 401 ensures that it conforms easily to tolerances and irregularities in the sealing surfaces. Even after installation the sealant is extremely pressure resistant and can therefore ensure safe operation over long periods.

TECHNICAL DATA

MATERIAL

100% expanded PTFE (ePTFE) with monodirectionally oriented fibril structure.

APPROVED APPLICATION RANGE

p/T application range:

max. 40 bar and 250 °C in accordance with test class “d”.

Maximum applicable cold water pressure tested:

88 bar

VdTÜV component code number:

TÜV . D .09-019 . d

CHEMICAL RESISTANCE

Resistant to all media (pH 0 – 14), except for molten or dissolved alkali metals and elemental fluorine particularly at high temperatures and pressures.

STABILITY

Not subject to ageing within the material’s temperature range, UV-resistant and can be stored indefinitely.

Storage of more than 12 months after delivery of the product may result in decline of adhesive strength.

PHYSIOLOGICAL SAFETY

Physiologically harmless within temperature range of material.

FOR INDUSTRIAL USE ONLY.

Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.



KEY FEATURES

- 100% expanded PTFE (ePTFE)
- Not subject to ageing
- Chemically resistant

KEY BENEFITS

- Approved by VdTÜV guidelines “Sealant 100” and the Technical Regulations for Steam Vessels (TRD) 401, appendix 1 for test class “d” up to 250 °C and 40 bar.
- Suitable for all sorts of shapes, materials, makes and sizes of handhole, manhole and other access holes
- Low storage costs
- Easy to install due to adhesive backing
- Conforms easily to irregularities in the sealing surfaces
- High pressure resistance





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INSTALLATION INSTRUCTIONS

1. To ensure a proper seal, the sealing surfaces must be compatible. If the gasket cannot be compressed because of metal contact between the cover and the opening, the only means of correction is either by reducing the diameter of the cover or increasing the diameter of the hole. (Fig. I)
2. Clean the gasket area completely of grease, debris, etc.
3. Peel off adhesive backing paper
4. Cut the cord at an angle over a length of approx. 20 mm (Fig. II)
5. Position the gasket cord in the centre of the sealing surface, beginning at a clamp. (Fig. III)
6. Close the gasket ring by locating the uncut gasket cord over the cord already positioned. (Fig. IV)
7. Cut the end of the gasket cord so that it overlaps by approx. 120%. (Fig. V)
8. Put the cover in the center of the hole and apply the maximum bolt force.
9. During the heating period, and in particular before reaching the evaporating temperature, the bolts must be inspected and – if necessary – retorqued.
10. Approx. 15 minutes after reaching operating conditions, if necessary re-torque to the maximum bolt* once more.

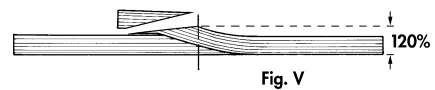
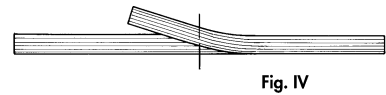
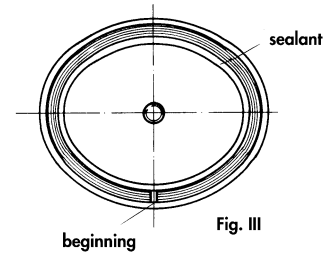
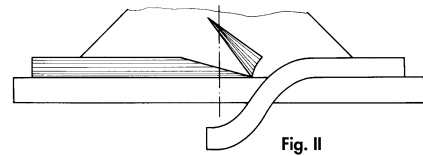
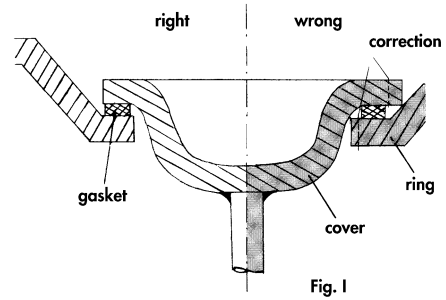


TABLE OF TYPICAL BOLT TORQUES*

Bolt	Torque
M 16	approx. 83 Nm
M 20	approx. 156 Nm
M 24	approx. 300 Nm
M 30	approx. 540 Nm

For more detailed information about bolt torques, please ask the original equipment manufacturer.

AVAILABLE SIZE

GORE® Joint Sealant DK 401 is available on spools of 10, 25 and 50 m.

Supplied by: _____

QUALITY ASSURANCE

The GORE Quality Management System has been certified by DQS in accordance with ISO 9001. Component suppliers are also integrated into this system.



ORDERING TEXT

GORE® Joint Sealant DK 401, spool length (m), number of units

For detailed selection criteria, technical information, installation guideline and a complete listing of local sales offices please visit gore.com/sealants

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