



# FILLING PRODUCTS

Chemotechnische Fabrik e.K.



Product number FP F1000

## PRODUCT DATA SHEET

### FILLING 1000®

#### for extremely high temperature and pressure resistance

##### Description

You have chosen to purchase a high quality, single-component sealing material in paste form with **FILLING 1000®**. High temperatures combined with pressure on selective and shallow, trough-like corrosion or erosion damage (cavities) on housing butt joints make extremely high demands on the quality of the sealing compound. **The use of this product means that costly, mechanical pretreatments are no longer required.** This is particularly important when sealing metallic joints in **steam and gas turbines**, compressors, generators, expanders, pumps, housings and flange joints etc. You are optimally equipped for these jobs with **FILLING 1000®**.

##### Temperature resistance

**FILLING 1000®** is temperature resistant **up to 950 °C** against: hot steam and hot air, hot and cold water, fuel oils and lubricants, as well as crude oil and natural gas.

##### Pressure resistance

**FILLING 1000®** offers such a high level of adhesion on sealing surfaces and butt joints that we guarantee a one hundred per cent seal up to a pressure of **275 bar**. In addition, the pressure resistance for flanges without sealing rings is guaranteed up to **570 bar** and for screw joints it is even guaranteed up to **670 bar**.

##### Service life

We guarantee a service life for **FILLING 1000®** of **10 years** for use on machined sealing surfaces (butt joints). The prerequisite for this guarantee is that the product is used in accordance with the instructions and that the service intervals are observed in the product segment **steam and gas turbines**, as well as for the application areas named above.

##### Fields of application

**FILLING 1000®** is suitable for sealing all surface sizes. The quality of the sealing surfaces is equivalent to machined or abraded surfaces with a finishing accuracy of  $Ra = 0.8 \mu m$  to  $1.2 \mu m$ . Selective and shallow, trough-like corrosion or erosion damage on these surfaces of  $\leq 0.5 mm$  is compensated with the product **FILLING 1000®**.

For spot repairs on badly damaged areas of  $\leq 1.0 mm$ , we recommend the product **FILLING 2000®**.

##### Application

Using a putty knife, apply **FILLING 1000®** with force to the clean, grease-free damaged surfaces.

The layer thickness to be applied is **0.2 mm** to **0.3 mm**. In order to make application easier, you can remove the anticipated amount required and heat it up to 100 °C. This is not absolutely necessary.

**FILLING 1000® may not be mixed with anything. It can be subjected to load immediately!**

It does not cure, will not change its consistency even after several hours, and remains flexible and elastic.

**FILLING 1000®** is dark brown.

Fill the **entire sealing surface area** with **FILLING 1000®**.

##### Storage

**FILLING 1000®** is packaged in 750 g tins.

If stored correctly, **FILLING 1000®** has a **storage life of 5 years** in closed tins.

The properties and workability of the product remain unchanged over this period of time.

Close the tin again properly if only part of its contents have been used.

Product data sheet as at 02.01.2025. Current download version at [www.filling-products.com](http://www.filling-products.com).