



# Productcatalog

## A little bit about the history...

In the early 20th century, paints for steam locomotives were already being produced under the trademark FERMIT. The business field was rapidly widened with the production of sealants and in that way accompanied the development towards more comfort in the home.



Today,  
**100 years later** FERMIT combines the  
traditional and the modern and develops its  
**logo further.**




becomes



## Why a new logo?

### The new logo stands for the corporate philosophy:

- ➔ Preservation of strong corporate values, symbolised by the  **fermit** in the blue drop.
- ➔ A drop of water stands for the fluids.
- ➔ The further development of the Fermit logo typographically occupies a more up-to-date standpoint.

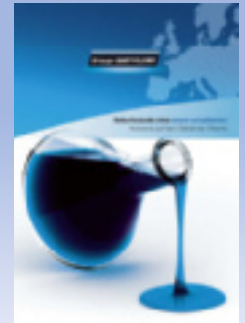
### The company FERMIT thus underlines its know-how as well as its ability to supply indispensable products to professional users for

- ➔ the sealing of line networks for the handling of fluids.
- ➔ the protection, maintenance and repair of plants carrying fluids.
- ➔ the production of tight connections between materials with different temperatures.

**The product range for the processing of materials, which are normally used by domestic equipment and heating fitters, takes into account the requirements of the different fluids.**

**Thanks to cooperation with the BARTHELEMY Group** , the company now has a product research centre at its disposal which makes possible the launching of new products and materials in keeping with technical progress and the regulations, the company being able at the same time to retain its autonomy, its specific orientation and the response times which established its reputation.

Thanks to the presence of the Group in several European countries, FERMIT will benefit from the promotion of its development activity in Germany and Europe and is strengthening its ability to provide customers from different countries with assistance and support.



**The German company with its head office in Vettelschloß/ Kalenborn (near Bonn) in Rhineland-Palatinate has more than 1800 m<sup>3</sup> of land built-upon for production, logistics and customer service.**

With its 18 machines for production and conditioning the company of FERMIT and its 15 employees set everything in motion for the satisfaction of their customers.

**Fermit provides a comprehensive range of products for heating and sanitary equipment which meet all the requirements in the areas of heating construction and sanitary technology.**

**Sealing of threaded connections, glued and plug-in connections**

**Plant maintenance as well as materials for sanitary and heating installations and for domestic equipment units**

Their quality makes products from Fermit indispensable helpers with which users can always be sure to deliver faultless work.

**Fermit sells its products via the specialised trade:**

- Trade in sanitary equipment and heating construction.
- Direct selling to industry.

**All product information can be viewed on our Website:**

**[WWW.FERMIT.DE](http://WWW.FERMIT.DE)**

For more detailed information we will be pleased to be available to you during our office hours.

# SANITARY EQUIPMENT

## THREAD SEALS

### NEO FERMIT UNIVERSAL



#### For metal threaded connections in conjunction with hemp

Suitable for gas and drinking water in domestic equipment installation.

#### Area of use:

Water – for drinking water, hot and cold: **Temperature range:** 0°C to +95°C / **Pressure:** 16 bar

Area of use: Heating: **Temperature range:** 0°C to +130°C / **Pressure:** 7 bar

Area of use: Gas: **Temperature range:** -20°C to +70°C / **Pressure:** 5 bar

**Use:** for all types of gas including natural gas and liquefied petroleum gas in the gaseous phase

- ↳ Clean and non-toxic
- ↳ Non-sticky
- ↳ Does not irritate skin
- ↳ Solvent-free
- ↳ Non-shrinking
- ↳ Non-hardening
- ↳ Does not dry up
- ↳ Dismountable

|           |           |          |          |            |
|-----------|-----------|----------|----------|------------|
| 150g tube | 325g tube | 450g tin | 800g tin | 4kg bucket |
|-----------|-----------|----------|----------|------------|

According to DIN EN 751-2 and DIN 30660 approved by DVGW (German Gas and Water Association) for domestic installation of gas and drinking water under: DVGW – Reg. No. NV-5142BM0052.

### HEMP



#### Flax

Use together with the sealing pastes Neo Fermit Universal, Fermit-Spezial and Hochdruck-Fermit. Improves the stability of the connection under pressure.

**Temperature resistance:** +140°C

|            |            |           |                    |                    |
|------------|------------|-----------|--------------------|--------------------|
| 200g tress | 80g bobbin | Dispenser | 40g flax dispenser | 80g flax dispenser |
|------------|------------|-----------|--------------------|--------------------|

### FERMIT SPEZIAL (service water)



#### Light-coloured thread sealing paste,

can be worked easily and quickly and does not harden.

Application in conjunction with hemp.

Not for gas and drinking water units in domestic equipment installation.

**Temperature range:** -25°C to +100°C

- ↳ Easy to work with
- ↳ Seals immediately
- ↳ Can be dismantled at any time
- ↳ Does not dry up
- ↳ Reliable and safe

|          |          |            |
|----------|----------|------------|
| 70g tube | 650g tin | 5kg bucket |
|----------|----------|------------|

For all threads according to DIN 2999 up to a diameter of 2 inches. Gas, water, heating and compressed air units up to a maximum pressure of 10 bar. In the case of flange seals coat both sides with Fermit-Spezial.

### HOCHDRUCK-FERMIT



#### Pressure-proof and heat-resistant putty, also in conjunction with hemp

Non-toxic, pasty putty for sealing threads, flanges and faces on high-pressure equipment, turbine casings, steam lines etc.

**Temperature range:** up to +160°C / **Pressure:** 16 bar

- ↳ Easy to work with
- ↳ Does not dry up
- ↳ Connections can be undone again
- ↳ Heat and high pressure-resistant
- ↳ Reliable/safe
- ↳ Can be stressed immediately

|          |            |             |
|----------|------------|-------------|
| 650g tin | 5kg bucket | 17kg bucket |
|----------|------------|-------------|

For all threads according to DIN 2999 up to 2 inches in diameter  
Coat flanges, faces and intermediate shims on both sides with Hochdruck-Fermit

# SANITARY EQUIPMENT

## THREAD SEALS

### FERMITOL liquid



#### Versatile liquid synthetic resin sealant

Universal sealing compound and glue, resistant to oil; liquefied petroleum gas, petrol, benzene, paraffin/kerosene, greases, water, steam, acid, alkaline solution, brine, seawater etc. ..., once set also resistant to spirit and all fuel mixtures

For the sealing of threads, flanges and faces on water, petrol, grease and oil lines, oil heating units, propane gas units, engines, engine casings, gearboxes, machines, process equipment and tanks.

Fermitol is suitable for many purposes and numerous materials.

**Temperature range:** -10°C to +130°C / **Pressure:** 4 bar

125g bottle

250g bottle

1kg refill bottle

- ↪ Easy to work with
- ↪ Seals can be put into service immediately
- ↪ Integrated brush
- ↪ Practical in use
- ↪ Instant sealing
- ↪ Reliable – safe
- ↪ Economical
- ↪ Can be used with and without hemp

### FERMITAN service water



#### Anaerobic sealant for cylindrical and conical metal threads

for hot and cold water circuits .

**Temperature range:** -30°C to +90°C, briefly up to 110°C

**Pressure:** After 15 min = 4 bar, after 2 hrs = 30 bar

Polymerisation time 1 – 3 hours

**Max. thread diameter:** 2 inches

75ml bottle

According to DIN - EN 751-1 Class H.

- ↪ Use without hemp
- ↪ Suitable for hot and cold water
- ↪ Can be subjected to pressure quickly
- ↪ Enriched with PTFE

### FERMITAN Heating



#### Anaerobic sealant for cylindrical and conical metal threads

for hot water circuits in the heating field as well as oil and fuel oil and for all combustible gases such as butane, propane, natural gas and for compressed air.

**Temperature range:** -30°C to +110°C, briefly up to 120°C

**Pressure:** after 15 min. = 4 bar, after 2 hrs. = 30 bar

**Max. thread diameter:** 2 inches

Polymerisation time 1 – 3 hours

75ml bottle

According to DIN EN 751-1 class H.

- ↪ Use without hemp
- ↪ Suitable for hot water, gas and oil circuits
- ↪ Can be subjected to pressure very quickly
- ↪ Enriched with PTFE

### PTFE tape



#### PTFE thread sealing tape for metal threads

Application in all sanitary and heating circuits in the hot and cold water areas .

**Temperature range:** -260°C to +260°C / **Pressure:** 15 bar

FRp

GRp

- ↪ Dismountable
- ↪ Can be applied easily and quickly

## PRODUCTS FOR PVC PIPE INSTALLATION

### FERMITAC ADHESIVE



#### Universal hard PVC adhesive for pressure and drainage systems

Suitable for connections of tubes and threads made of hard PVC in the hot and cold water area as well as for drain pipes and buried PVC pipes.

**Working temperature:** +5°C to +35°C / **Temperature range:** up to 90°C

**Curing time:** at a diameter < 90 mm = 1 hour

- ↪ Gel-like
- ↪ Does not drip
- ↪ Does not leak out
- ↪ Effective after only 1 hour
- ↪ Slight odour
- ↪ Clean
- ↪ Easy to use

80ml bottle with brush    125ml tube    250ml bottle with brush    500ml bottle with brush    1l bottle with brush

### FERMITAC CLEANER



#### For the cleaning of connections made of PVC and PVCC before gluing

The product cleans the surface to free it from dirt and grease, etches the surface and hence helps to improve gluing.

- ↪ Easy to apply
- ↪ Takes effect immediately
- ↪ Reliable and safe

125 ml bottle    500 ml bottle    1 l bottle

## LUBRICANTS

### GLISSA VALVE AND FITTING GREASE



#### Non-dripping lubricating grease for hot and cold water valves and fittings.

Ductile, smooth, non-dripping lubricating grease for valves and fittings, that with regard to food law is beyond reproach and is therefore also suitable for drinking water pipes. Can also be used for machines and equipment where Glissa valve and fitting grease comes into contact with food or drinking water.

**Temperature range:** -20°C to + 140°C.

- ↪ Food-safe
- ↪ Non-dripping
- ↪ Ductile
- ↪ Reliable

60g tube    30g tube    14g tube

In conformity with the KTW recommendations of the German Federal Health Office, is approved according to NSF-H 1 and to DIN 51502.

### GLISSA ALL GAS-VALVE GREASE



#### High-grade lubricant for gas valves and fittings and actuators in accordance with DIN EN 377.

Glissa all gas valve grease is resistant to all gases and gas mixtures mentioned in DVGW worksheet G 260. It is also used for greasing cock plugs or sealing elements such as membranes, packings or elastomer seals etc

**Temperature range:** up to 150°C

- ↪ Synthetic
- ↪ Non-dripping
- ↪ Ductile
- ↪ Suitable for gas valves and fittings

20g tube

Corresponds to DIN DVGW 96.01e 1055

# SANITARY EQUIPMENT

## INSTALLATION PUTTIES

### PLASTIC FERMIT – white



#### a permanently plastic sealing compound

Plastic-Fermit is a permanently plastic, kneadable sealant compound based on plastic which meets the highest demands made on sanitary installation.

Is particularly suitable for the insertion of drain valves in, for example, washstands, baths and is suitable for hot and cold water.

**Temperature range:** 0°C to 120°C. Do not use for marble or other natural stone!?

250g tin

500g tin

1kg tin

5kg bucket

- ↪ Permanently plastic
- ↪ Ductile
- ↪ Economical
- ↪ Can be worked quickly
- ↪ Does not become brittle
- ↪ Good adhesion power
- ↪ Storable indefinitely

### AQUA FERMIT - red



#### Sealant and sleeve putty

Putty with strong adhesion power for washstands and water closet bowls as well as sewerage units or sleeves on buried lines.

**Temperature range:** 0°C to 100 °C

250g tin

500g tin

5kg bucket

- ↪ Viscoplastic
- ↪ Easily kneadable
- ↪ Strong adhesion power without hardening
- ↪ Reliable - Safe

## SEALANTS

### FERMITOPP S



#### Neutral cross-linking silicon joint sealant

Elastic, odourless silicon joint sealant with fungistatic incorporation, lightfast, cleaner-resistant and reacting with atmospheric moisture.

For sealing, above all in sanitary and damp rooms, in the kitchen area and in sectional furniture.

**Temperature range:** -40°C to 180°C / **Processing temperature:** +5°C to +40°C

**Colours:** transparent, white, grey / **Storage:** for at least 1 year cool and dry

310ml white cartridge

310ml transparent cartridge

310ml grey cartridge

- ↪ Lightfast
- ↪ Odourless
- ↪ Elastic
- ↪ Cleaner-resistant

## SANITARY MAINTENANCE

### FERMITEX



#### Chemical pipe cleaner

Eliminates blockages, unpleasant odours and dangerous bacteria in the drains from sinks, wash basins, water closet bowls and urinals simply, quickly and reliably. Does not attack metals (apart from aluminium and zinc), glass or porcelain. In the event of use on enamel separately dissolve Fermitex beforehand and do not leave it standing in the enamel too long, as the latter can otherwise become dull. The pipe cleaner is corrosive, so use suitable means of protection.

1kg tin

5kg bucket

- ↪ Soluble in cold water
- ↪ Automatic
- ↪ Highly effective
- ↪ Effervescent
- ↪ Takes effect quickly
- ↪ Simple to apply

# HEATING EQUIPMENT

## FERMITOPP SE 300



### Highly refractory, elastic single-package silicon sealant

Fermitopp SE 300 is used for sealing expansion joints on heating flues, ovens, reactors, chimneys, stacks, etc. The sealant is neutrally cross-linking, reacts with the moisture in the air and is characterised by extremely good hot air-resistance.

The adhesive surfaces must be dry, clean and free of loose parts and in the case of porous substrates they should, if necessary, be given a first coat of primer. Post-smoothing e.g. with soap solution must take place before skinning.

**Temperature range:** -40° to +285°C / **Processing temperature:** +5°C to +40°C  
**Skin formation:** approx 10 min. / **Time to complete cure:** approx. 2 mm per day  
**Storage time:** 9 months cool and dry

310ml Kartusche

- ↻ Highly refractory
- ↻ Odourless
- ↻ Hot air-resistant
- ↻ Reliable - Safe

## FROSCHMARKE REFRACTORY BOILER PUTTY



### Sealing putty on potassium water glass basis.

Non-shrinking refractory boiler putty e.g. for sealing off from flue gases during the use of boiler equipment, ovens and stoves.

**Temperature-resistance:** more than +1000°C

250g tin

500g tin

1kg tin

6kg bucket

20kg bucket

310ml cartridge

- ↻ Easy to work with
- ↻ Asbestos-free
- ↻ Non-shrinking
- ↻ Seals well
- ↻ Adheres well to metal and other materials
- ↻ Non-crumbling

## NIVO GRAPHITE PASTE – Flexoperm



### Highly refractory sealing paste for threaded and flanged joints

Prevents the sticking of gaskets, bolts, screws etc. which are exposed to intense heat. In the case of flange gaskets and surface seals, coat both sides with the paste. In the case of use as sealants for threads (DIN 2999) at over 160 degrees C, the use of aluminium hemp with Nivo Graphite Paste is recommended as normal hemp becomes scaly at these temperatures and then leaks can occur.

**Temperature range:** 0°C to +300°C

500g tin

- ↻ Protection from rust
- ↻ Highly refractory
- ↻ Versatile
- ↻ Reliable - Safe.

## 3-D-SEALANT



### Liquid sealant for small leaks.

3-D-SEALANT closes pores, cracks or damage to gaskets and seals on heating boilers, radiators, pumps, cylinder blocks and car radiators from the inside so that they are absolutely water and steam pressure-tight.

3-D-SEALANT is not suitable for the sealing of particularly narrow passages such as, for example, in the case of thermostat valves.

**Input quantity:** 1kg of 3-D-Sealant for 150 l of heating water  
**Preparation:** thoroughly mix 1 kg of 3-D-Sealant with approx. 10 l of hot water

1kg bottle

- ↻ Low cost
- ↻ Versatile
- ↻ Easy to use







**Fermit GmbH - formerly Nissen & Volk GmbH**

Zur Heide 4-D-53560 Vettelschoß

Phone: +49 (0) 2645-2207 - Fax: +49 (0) 2645-3113 - Homepage: [www.fermit.de](http://www.fermit.de) - E-Mail: [info@fermit.de](mailto:info@fermit.de)