



## Liquid sealant for sealing gas pipes with threaded joints with hemp

### Multiseal® Gas

Sealing liquid for the subsequent sealing of threaded joints with hemp in inner gas ducts. Multiseal Gas is a plastic-solvent mixture. Steel pipes with threaded joints with hemp can be sealed.

Emballage	Vare-nr.	EAN
10 liter	8024100	5708923800381

DIN DVGW -registration number  
NG-5153BL0184

ÖVGW-registration number  
G 2.662

SVGW-registration number  
15-027-7



## USER INSTRUCTIONS:

Sealing liquid for the subsequent sealing of threaded joints with hemp in inner gas ducts.

In the case of mixed installations, galvanised materials, copper, plastic and press fittings, Multiseal Gas does not attack the plastic seals. Multiseal Gas may also be passed through pressed pipes (Press Fittings)

### 1. Determine the volume of gas leaking based on DVGW TRGI 2008

Multiseal Gas can be used with reduced usability. Usability is reduced when the volume of the gas leak is between 1 and less than 5 litres per hour at operating pressure.

### 2. Checking the gas line

Remove the gas counter and dismantle all gas devices. Fit shut-off valves on all line endpoints. Remove shut-off plugs on blind pipes still under gas pressure and replace them with shut-off valves. Make sure the shut-off valves are firmly secured to the gas line. Carry out a load test as per G 624 (3 bar for 3–5 minutes)

### 3. Re-determine the volume of gas leaking based on DVGW TRGI 2008 (as in 1.)

### 4. Cleaning the line

To clean the internal gas lines of dust, rust and scale, connect a reinforced pressure hose, ending in a dust filter, preferably in the open air, to the lowest point of the line where the gas meter is located. Blow out the gas pipes with compressed air or an inert gas.

### FILLING A LEAKY GAS PIPE SYSTEM

1. Thoroughly shake the Multiseal Gas canister before use! Slowly fill the line from the lowest point below the lowest shut-off valve. Use a membrane pump that can be operated with nitrogen or compressed air for filling. Make sure there is sufficient Multiseal Gas.

2. Carefully purge the gas pipe system from the lowest to the highest and remotest shut-off valve installed in place of the gas appliances. Place the end of hoses from the shut-off valves in ventilation buckets to catch residual Multiseal Gas when purging.

3. After proper filling, pressurise the line to 4 bar plus 1 bar per 10 m height of the installation to be sealed. This will press the sealant into the leaking threaded connections. The Multiseal Gas has to be kept under pressure in the gas system in this way for at least 30 minutes.

4. In order to be able to use the filling device together with the pressure pump during the 30-minute operating period, it is permissible to connect a nitrogen pressure pad of 1–2 L volume (max. 4 bar) at the high point of the line to maintain pressure.

### EMPTYING THE GAS SYSTEM

Carefully relax the filling pressure under which the line stands. Then empty the line via the lowest point below the lowest shut-off valve. For this purpose, open all the

shut-off valves from the top to the lowest shut-off valve.

Change the setting of the membrane pump on the four-way mixer from “pump” to “suction”.

### CLEANING WITH CLEANING BALLS

If no sealant runs out of the line, each line is now cleaned by means of shooting through a sponge rubber ball with a diameter at least 10% larger than the line cross section. The sponge balls are inserted at the shut-off valve points and forced through the line with nitrogen or compressed air starting at the highest shut-off valve. The balls push the remaining sealant in front of them and transport it back into the filling container. The sponge-ball cleaning must be done at least twice to remove excess product residue. Depending on the circumstances, the cleaning process may have to be repeated more than once.

### The product can be re-used.

Contaminated Multiseal Gas 2000 can be cleaned by means of a sieve.

### DRYING

The drying is done using a drying fan. To do this, reconnect ventilation buckets and hoses to the shut-off valves. Make sure the purging hoses are secured in the ventilation buckets so that the product does not contaminate the environment. The drying fan must be set up with no obstacles so that the drying air can be sucked in unhindered. If performance drops, clean the filter.

Drying time is about 1 hour and it is designed for pipe lengths of 25 m (1”). Gas lines with a bigger nominal diameter require a longer drying time.

The new drying fan reduces the drying time by heating the airflow. Even after drying, Multiseal Gas remains viscid in the threads.

A leak test based on DVGW-TRGI 2008 must then be carried out.

### ATTENTION!

Multiseal Gas dries quickly. It is possible clean with water within half an hour. Multiseal Gas that is starting to dry can be removed with a solvent.

### STARTING UP THE GAS INSTALLATION:

After a successful leak test, the line system may now be put into operation based on DVGW-TRGI 2008. Please follow the documentation on quality assurance.

### SAFETY DATA FOR MULTISEAL GAS:

**Observe the usual safety precautions for handling chemicals!**

**Keep out of reach of children!**

**Disposal:** see safety data sheet.

**Mixing ratio:** Used undiluted

**Shelf life:** 2 years

Min handling temperature: +5 to 10 °C

The product can withstand temperatures down to max. -15 °C

**Shake / stir the product thoroughly before use.**

*Our information corresponds to our current experiences. Technical changes reserved. Safety data sheets can be downloaded on [www.unipak.dk](http://www.unipak.dk)*