



HERMETECH

**SYSTEM FOR INTERNAL SEALING OF THREAD-JOINTS
IN GAS PIPES USING THE MATERIAL NOVAP 2000**

Application method





Description

A straightforward, rapid solution for the problem of gas leaks in internal pipes.

Novap 2000 (**HERMETECH**) can be used to repair capillary leaks in service and gas pipes in low-rise buildings, blocks of flats and apartments, without being necessary to dismantle pipes.

Novap 2000 is a polymer-based product. After drying, the pipe is lined with an extremely adhesive rubber-like film.

Novap 2000 has excellent fluid properties and has been developed in such a way that the liquid becomes thinner under pressure, which facilitates excellent penetration of hemp in screw thread connections.

Once the pressure is reduced, the product reassumes its original thickness.

The polymer is a watery dispersion. This means that the rubber parts are enclosed by a protective layer of soap which keeps the particles apart and ensures satisfactory stability. This stability is a guarantee for problem-free processing.

Due to the excellent fluid properties (tixotropy), only a short period of time is required to allow the dispersion to penetrate the thread joints.

The product's low viscosity guarantees a rapid emptying of the gas pipe making use of a foam pig not always necessary.

Novap 2000 does not need any extra drying time. The dispersion dries after the gas pipe has been put into use.

Application method of Novap 2000

The way in which the Novap 2000 system works is both rapid and extremely effective. The sealing work can be carried out by any qualified company once sufficient instructions have been given. This means work can be carried out extremely efficiently with a minimum of nuisance for residents due to interruptions to the gas supply.

- After interrupting the gas supply of the internal installation, through operation on the rising mains, all meters and/or pressure reducing valves are dismantled by the employees of the gas companies. Afterwards the ventilation valves are attached by specialized technicians.
- The tightness test with pressure (digital) of 4 bar per 3/5 minutes is carried out to verify whether the installation is tight and to control the leaks.
- After this the installation is rinsed with a compressor, to free the pipes from residua and deposits.
- The material Novap 2000 is then inserted, starting from the lowest point of the installation. The ventilation valves of each floor must be controlled. When controlling the ventilation valves, you are able to make sure that the material has reached every single floor.
- The installation of the internal network is left under a pressure of 4 bar for a maximum of 30 minutes. This guarantees the penetration of Novap 2000 into the end points of the installation.



- After removing the pressure from the installation, the superfluous fluid is blown out, during this procedure the pressure is slowly raised to up to 3 bar.
- After all the fluid has been blown out, a further pressure control is carried out, to check the tightness.
- After all the meters and/or valves have been attached, the installation is finally put into operation again.
- The partial recycling of the fluid Novap 2000 depends on the degree of dirt through impurities (deposits, dust particles etc.), that are contained in the material itself after the first use.

ADVANTAGES OF NOVAP:

- An optimal result using a reliable sealing system.
- No nuisance for residents because no demolition work is required.
- Fast processing, meaning no more than a short interruption to gas supply.
- Low repair costs (replacing the pipe is much more expensive).
- Expert supervision and support by a qualified company.
- The product is non-flammable and harmless for the environment because no solvents are used.