

# THREAD SEALANTS



## SISEAL

Methacrylate thread sealant with PTFE for metal joints, resistant to vibrations and temperature fluctuations. A replacement for hemp and PTFE tapes (Teflon®). The product hardens between metal threads with no air access. Its medium mechanical resistance permits disassembly using current tools, even after several years.

### Suitable for:

- threaded metal joints up to 2" diam.
- domestic and industrial use for water, air, gas, diesel, LPG etc.

*Siseal is neither suitable for use in oxygen circuits, nor to seal systems containing strongly oxidizing acids or alkaline agents.*

### Shelf life:

At least 12 months when stored between 5 °C and 28 °C.

## TECHNICAL DATA

CERTIFICATE	following EN 751-1, by VÜPS - AO 227
COLOUR	blue
PRESSURE RESISTANCE	up to 1 MPa
TEMPERATURE RESISTANCE	- 50 °C to 130 °C

## PACKAGING

Tube, 50 g	Code - 931
Tube, 100 g	Code - 436
Tube, 250 g	Code - 520

## APPLICATION

Threaded surface shall be cleaned and degreased first (chrome-plated threads need to be coarsened). Apply the sealant to the margin threads, inner and outer, in small amount in order to fill the gap between the parts to be joined. The approximate consumption is 0.5g for a 1/2" thread. A slight reverse turn is possible during assembly without compromising the tightness. 10 minutes after the assembly the joint resists 1 MPa pressure.

The final hardening time depends on the material and temperature. The ideal hardening temperature lies between 20°C and 25°C. Temperatures between 5°C and 20°C will slow down the hardening speed, temperatures above 25°C will speed it up. For example, brass joint at 20°C should be hard within 2-3 hours. The graph shows the behaviour of Siseal with some metals.

The tests were done with M10 screws and measured according to ISO 10964 standard.

