

# HIGH SEAL



## DESCRIPTION:

HIGH SEAL is an anaerobic thread lock single-component sealant (polymerizes in absence of air), for hydraulic fittings working at high temperatures, like for example vacuum-sealed panels. It eliminates loosening caused by vibration. High mechanical strength and cure speed. No removable without blowpipe (flame).

## APPLICATION:

Good performance on nonferrous metals like brass and chromium plating. Not suitable on plastic-metal couplings or in very oxidizing environments (e.g. liquid oxygen and strong acids and bases).

- 1) Apply on new and well degreased surfaces.
- 2) apply even on male and female without exceeding, on threads according to Norm and with limited tolerances.
- 3) tighten and wait 24 hours at environment temperature.

## FEATURES:

Chemical disposition	metacrylic resin
Appearance	green liquid
Viscosity	15.000/20.000 mPa·s
Density	1,06 g/ml
Flammability point	>100 °C
Temperature resistance	from -50 °C to +200 °C
Maximum float	0,15 mm
Storage	12 months at a temperature between +5 °C e +28 °C

Environment temperature effects the reaction speed. The perfect polymerisation temperature is between 20 °C and 25 °C. Temperatures between 5 °C e i 20 °C delay the reaction, higher temperatures accelerate it.

NOTE: On passivate metallic surfaces use the product together with an activator.



PERFORMANCE OF POLYMERIZED PRODUCT

Values below refer to test made at 22 °C, after 24 hours.

Unscrewing couple ISO-10964	N·m	45/55
Residue unscrewing couple ISO-10964	N·m	30/35
Resistance to temperature	°C	Da -50 °C A +200 °C
Max float	mm	0,15

RESISTANCE TO CHEMICAL PRODUCTS

Test method DIN-54454.

Unscrewing couple % evaluated after dipping.

	T °C	100 h	500 h	1000 h
Water/Glicol	100	90	90	90
Breaks liquid	100	90	90	90
Engine oil	100	90	90	90
Acetone	100	90	90	90

POLYMERIZATION SPEED

