

Technical data sheet BLOCK per liquidi
Ver. 5.1 June 2023

BLOCK per liquidi

Methacrylate and PTFE-based anaerobic threadlocking sealant with medium resistance

DESCRIPTION

Block Liquidi is a white, medium-strength, anaerobic threadlocking sealant formulated to block and seal threaded fittings and pipes. It is suitable for replacing hemp and PTFE tapes by forming an elastic film resistant to impacts, vibrations and sudden changes in temperature, guaranteeing a perfect seal with resistance to compressed air, wind and water. Sealing with resistance to compressed air, water, hydrocarbons and chemical compounds. It has good resistance chemicals to water/glycol mixtures, brake fluid, motor oil and acetone.

Certified and tested according to:

DVGW DIN EN 751-1 GASTEK

DIN-54454: 90% torque retention after 1000 hours

FEATURES

- Medium mechanical torsion resistance
- High temperature resistance between -50 to + 150 °C
- Vibration and impact resistance
- Good chemical resistance

TECHNICAL DATA

Appearance	Liquid
Colour	White
Specific Gravity (g/cm³)	1.07
Viscosity (mPa*s) (Brookfield 20 rpm/25°C)	Ca. 30000
Flash Point [°C]	>100
Operating Temperatures [°C]	-50 ÷ + 150
Pot-Life [min]	10 – 20
Handling Time [h]	3 – 6
Final Hardening [h]	12 – 24
Initial Unscrewing Torque (N*m) (ISO 10964)	17 – 22
Residual Unscrewing Torque (N*m) (ISO 10964)	12 – 18
Maximum Diameter Clearance [mm]	0.30

*Depending on thickness, type of surface and environmental conditions

**Recommended on pipes with a maximum diameter of 2 inches as the maximum clearance is hardly respected with larger dimensions

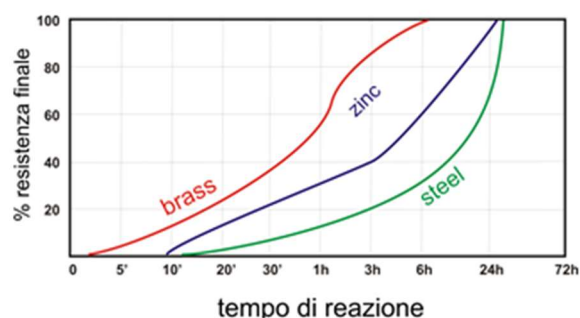
(The values reported refer to tests carried out at 22°C after 24 hours - tests carried out on M10x20 zinc screws and 8.8 mm galvanized nuts)

RESISTENZA AI PRODOTTI CHIMICI

Metodo di prova DIN-54454.

Coppia di svitamento % valutata dopo immersione.

	T °C	100 h	500 h	1000 h
Acqua/Glicole	85	105	105	105
Liquido per freni	22	100	100	100
Olio motore	125	105	105	105
Acetone	22	105	100	100



APPLICATION

This product is not suitable for metal-plastic couplings as well as for sealing systems with basic products or strongly oxidising acids. Use on clean and degreased metal threads. Apply the product on the first few turns of the male thread and half a turn on the female. It is essential to tighten tight. A loose and superficial tightening can cause leaks over time. Do not open or swivel joints after tightening. Wait 24 hours to allow the sealant to fully cure before putting the system into operation. polymerisation of the sealant. In the case of assembly in series, it is recommended to block the previous joint in order to prevent the film from breaking during formation.

CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

Clean tools used with solvents. Avoid skin contact, possibly using latex, rubber or polyethylene gloves. latex, rubber or polyethylene gloves. In case of contact with skin, wash immediately with soap and water.

PACKAGING

Bottle 60 ml - 6 units per box

STORAGE AND SHELF LIFE

It can be stored for 24 months from the date of production, in unopened containers and in a dry and cool environment. Storage temperature between 5°C and 30°C.

GENERAL INFORMATION

The information contained in this data sheet represents the best of our knowledge. However, this document cannot be regarded as a guarantee that the product will be used and applied in accordance with the instructions provided. Successful application is beyond our control and depends on many factors. We accept no responsibility for the misuse of the product, the recommendations in this document should be considered general guidelines. If any doubts remain, please carry out preliminary tests. NPT Srl, reserves the right to modify and update the data sheet without prior notice. Customers are kindly requested to check that they have the latest version.

ALWAYS CONSULT THE SAFETY DATA SHEET BEFORE USING THE PRODUCT