meccanocar

FORNITURE PROFESSIONALI PER AUTOMOTIVE, ARTIGIANATO E INDUSTRIA

Meccanocar codes 4090001050 - 4090001060

PRODUCT DESCRIPTION

The red Meccanocar gasket former is a single-component anaerobic product suitable for sealing standard threaded metal parts in civil and industrial water, air, gas, diesel, LPG, etc. systems. It can be used on fittings up to 2' with standard threads. The product polymerizes spontaneously when it is in the absence of air inside metal surfaces. Thixotropic product of medium mechanical resistance for blocking and sealing threaded parts and smooth couplings. Replaces conventional gaskets by creating a flexible polymerized film. Seals water, air, gas, hydrocarbon, oil and other chemical systems.

DVGW EN 751-1 compliant for use with air, gas, water.

CHARACTERISTICS OF THE LIQUID PRODUCT

NATURE: Anaerobic methacrylic resin

Application: Anaerobic Sealant, Gasket Former COLOR: Red

Mechanical Resistance: Medium

VISCOSITY 25°C

(Brookfield 20 rpm) : 40.000-70.000 mPa.s

SPECIFIC GRAVITY (g/ml): 1.05

FLAMMABILITY: >100°C

Product storage: Cool, dry place Shelf stability: 24 months at temperatures +5°C and +28°C.

ISO 9001 2015 CERTIFIED

PERFORMANCE OF THE CURED PRODUCT

Reaction speed - hand block: 10-15 minutes Brass: 3-6 minutes

Zinc: 10-15 minutes

Steel: 15-25 minutes

Initial unscrewing torque ISO-10964: 25-35 N.m Residual unscrewing torque ISO-10964: 20-30 N.m Functional hardening: 3-6 hours

Final hardening: 12-24 hours

Operating temperature: -50°C +150°C

Max diameter clearance: 0.30 mm

POLYMERIZATION INFORMATION

The speed of polymerization is influenced by two main factors: nature of the materials and temperature at which the reaction occurs. The following graph demonstrates the behavior of the product on some types of metal. The tests were conducted using M10 screws and evaluated according to ISO 10964 standards. The ambient temperature influences the reaction speed. The ideal polymerization temperature is between 20°C and 25°C. Temperatures between 5°C and 20°C slow down the reaction, higher temperatures speed it up.

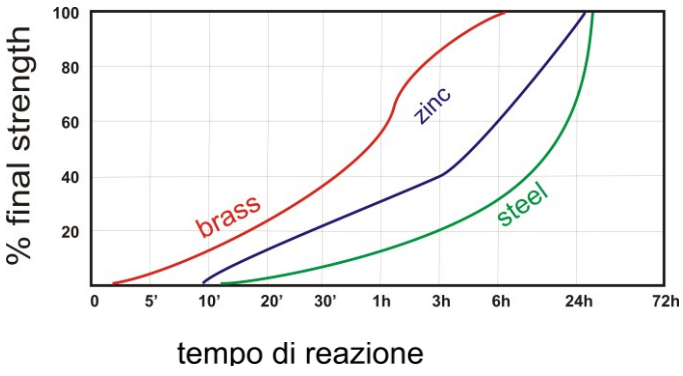
RESISTANCE TO CHEMICALS

Test method DIN-54454.

Unscrewing torque % evaluated after immersion.

	T °C	100 h	500 h	1000 h
Water/Glycol	85	100	100	100
Brake fluid	22	100	100	100
Engine oil	125	100	100	100
Acetone	22	100	100	95

The values reported refer to tests carried out at 22°C after 24 hours Tests carried out on M10 X 20 zinc screws and 8.8 mm galvanized nuts



INSTRUCTIONS FOR CORRECT USE

This product is not suitable for metal-plastic couplings as well as for sealing systems with oxygen circuits and with strongly oxidizing basic or acidic products. Use on clean and degreased metal threads. Apply the product on the first turns of the male thread and half a turn on the female. It is essential to tighten thoroughly. A bland and superficial closure can cause leaks over time. Do not open or orient the joints after tightening. Before putting the system into operation, wait 24 hours to allow the sealant to fully polymerize. In case of series assembly it is advisable to block the previous joint with a pipe wrench to avoid breaking the film during its formation.

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