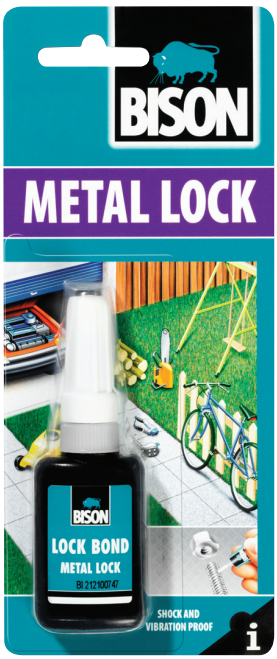
METAL LOCK

LOCKING AGENT FOR METAL BOLTS, NUTS AND SCREWS



PRODUCT DESCRIPTION

Liquid locking agent for metal bolts, nuts and screws.

FIELD OF APPLICATION

Locks bolts, nuts, screws and tap bolts which should be able to be unscrewed later on. Seals screw threads and protects them from rusting. Not suitable for applications with synthetics and wood.

PROPERTIES

· Shock and vibration proof

PREPARATION

Working conditions: Do not use at temperatures below +10°C
Preliminary surface treatment: Parts to be locked must be dry and free of dust and oil. Degrease with Thinner for Bison Kit or acetone. Remove any loose rust beforehand with a wire brush or similar.

APPLICATION

Directions for use:
Apply Bison Metal Lock to screw thread and assemble. Bison Metal Lock hereby also works as a lubricant. After assembly, do not move or shift parts.
Stains/residue: Remove fresh stains immediately with acetone. Remove cured adhesive with a sharp knife.
Points of attention: Bison Metal Lock is an anaerobic adhesive. This means that the product cures in combination with metal and in the absence of oxygen. Therefore, adhesive outside the joint will not cure, due to the presence of oxygen.

CURE TIMES

Handling time: approx. 15 to 30 minutes, depending on tolerance between parts, temperature and type of metal.
Dry/Cure time: approx. 24 hours. Cure time depends on a number of factors, like temperature, type of metal and thickness of glue layer. Active metals such as black steel, copper and copper alloys cure faster than passive metals such as stainless steel, aluminium, zinc and cadmium. Generally, the tighter the fit and the higher the temperatures, the shorter the curing time of Bison Metal Lock. Handling strength is usually reached after approx. 15 minutes, final bond strength after approx. 24 hours.

*** Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.**

TECHNICAL PROPERTIES

Moisture resistance: Good
Temperature resistance: -50°C to +130°C. At +130°C, breakloose torque is 50%, which is sufficient for most applications.
Chemicals resistance: Reasonable. Resistant to oil and solvents, such as engine oil, petrol, brake fluid, ethanol and water.

TECHNICAL SPECIFICATIONS

Chemical base: Methacrylate ester
Colour: Blue
Viscosity: Liquid
Solid contents: approx. 100 %
Density: approx. 1.05 g/cm^3

STORAGE CONDITIONS

At least 18 months after date of manufacture Limited shelf life after opening. Store in a dry, cool and frost-free place.