



Product code : C9804A

EMFILOK FM10

DESCRIPTION

EMFILOK FM10 is a one-component anaerobic curing adhesive based on acrylic ester. This product cures when confined in the absence of air between close fitting metal surfaces.

AREAS OF APPLICATION

EMFILOK FM10 is a medium strength product designed for locking and sealing of threaded fasteners with minimal gaps and which require normal disassembly with standard hand tools. EMFILOK FM10 prevents loosening and leakage from shock and vibration, and can replace grower washers and other locking elements.

TECHNICAL DATA

Appearance before curing	Thixotropic viscous liquid
Appearance after curing	Hard plastic
Colour	Red
Odor	Soft, characteristic
Viscosity at 25 °C	Brookfield RVT / spindle 3 / 2.5 rpm : 10,500 ± 1,500 mPa.s Brookfield RVT / spindle 3 / 20 rpm : 2,500 ± 500 mPa.s
Density at 25 °C	1.07 ± 0.01
Solubility	Chlorinated solvents
Maximum gap for application	0.14 mm
Cure speed without activator	10 to 30 min
Final setting without activator	6 h
Cure speed with activator	5 to 10 min
Final setting with activator	2 h
Temperature resistance	-50 to +150 °C
Resistance to lubricant oils and organic solvents	Good
Resistance to water, hydrolic fluids, acids and bases	Good
Specific data	Break torque (3/8 x 16 BSW steel SAE 1212 nuts and bolts) : 140 to 200 daN.cm Prevail torque (3/8 x 16 BSW steel SAE 1212 nuts and bolts) : 115 to 180 daN.cm

ADVICE

See also material safety data sheet

INSTRUCTIONS FOR USE

Substrate preparation :

Clean and dry parts using CLEANER L, removing dirt and grease. Let evaporate.

Application :

Apply ACTIVATOR T only in the following cases :

- When one or both pieces are made of an inactive material (plastic), a low-activity material (stainless steel, pure aluminium, etc.), or a material with a treatment (nickel, zinc, etc.)
- When ambient temperature is lower than 8 °C.
- When the gap is near to the maximum allowable gap for application.
- When it is necessary to accelerate curing.

Apply the necessary quantity of adhesive to one surface and use a rotating motion during assembly to ensure good coverage.

Note: excess of product that remains in contact with air does not cure and does not contribute to bonding. It may be easily removed with a cloth or rinsed off with solvent.

STORAGE AND SHELF LIFE

18 months under 25 °C in closed original packaging

PACKAGING

10 units of 50 g polyethylene bottles in individual boxes

SAFETY

Irritant. Read material safety data sheet before use.

PRECAUTIONS FOR USE

Avoid any contamination by preventing direct contact of the application nozzle with metal or pre-activated pieces.

Do not return the product to the original bottle.

Do not allow metal bits or shavings entering into the bottle.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

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