



Product code : C9810A

## EMFILOK JH30

### DESCRIPTION

EMFILOK JH30 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 JH30 is a high strength product designed for sealing of hydraulic tapered metal fittings with maximal gaps. It may be disassembled with high power tools. EMFILOK JH30 prevents loosening and leakage from shock and vibration. It is specially used for industrial applications in the chemical processing, petroleum refining, waste treatment, textile, utilities, power generation, marine, automotive, industrial equipment, gas compression and distribution industries. Resists high pressures.

### TECHNICAL DATA

|   |   |
|---|---|
| Appearance before curing                              | Thixotropic viscous liquid  |
| Appearance after curing                               | Hard, blue  |
| Colour  | Blue  |
| Odor  | Soft, characteristic  |
| Viscosity at 25 °C                                    | Brookfield RVT / spindle 6 / 2 rpm : 65,000 ± 5,000 mPa.s<br>Brookfield RVT / spindle 6 / 20 rpm : 11,000 ± 1,000 mPa.s   |
| Density at 25 °C                                      | 1.11 ± 0.01   |
| Solubility  | Organic solvents  |
| Maximum gap for application                           | 0.50 mm   |
| Cure speed without activator                          | 15 to 30 min  |
| Final setting without activator                       | 18 h  |
| Cure speed with activator                             | 10 to 15 min  |
| Final setting with activator                          | 6 h   |
| Temperature resistance                                | -50 to +200 °C  |
| Resistance to lubricant oils and organic solvents     | Good  |
| Resistance to water, hydrolic fluids, acids and bases | Good  |
| Specific data   | Break torque (ISO 10964 standard) : 10 to 25 N.m (grade A M10 nuts and screws with fine threads)<br>Prevail torque (ISO 10964 standard) : 11 to 25 N.m (average of torque readings at 90, 180, 270 and 360 °) |

### 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

50 g polyethylene bottles

## 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 tube.

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

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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.

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