

# CAF 7037 MF

## Description

**CAF 7037MF** is a one component, flowing silicone elastomer, which cures at room temperature simply on contact with air humidity.

### Fluid

- Brick red
- High release capacity
- Neutral, MEKO (Methyl Ethyl Ketoxime) FREE

## Examples of applications

**CAF 7037MF** is particularly suited to coating, protection and assembly applications.

- Continuous coating of conveyor belts.
- Insulating of electrical motors.
- Sealing of iron bases.
- Sealing of air filters.
- Silk screening of gaskets

## Advantages

- Neutral system, solvent free and MEKO free
- Low viscosity for coating applications
- Non-corrosive
- Long pot life
- Excellent thermal ageing
- Good dielectric properties

## Characteristics

### 1. Properties before curing

<b>Appearance</b>	Fluid paste
<b>Colour</b>	Brick red
<b>Cure type</b>	Oximic (MEKO free)
<b>Specific gravity at 25°C (g/cm<sup>3</sup>)</b>	1,10
<b>Brookfield viscosity (mPa.s)</b>	50 000

### 2. Curing

**CAF 7037MF** starts to cure as soon as the product is brought into contact with atmospheric humidity.

<b>Skin formation time*</b> (min)	25-30
<b>Cured thickness after 24 h*</b> (mm)	4,0

*\*Temperature 23°C, relative humidity 50%*

The cure rate increases with temperature and hygrometry.

Comment: it is recommended to apply the product to clean, dry surfaces.

**CAF 7037 MF****3. Properties after curing**

Mechanical properties after 7 days

<b>Properties</b>	<b>CAF 7037 MF</b>
<b>Hardness Shore A</b> (DIN53505, approx..)	24
<b>Modulus at 100% elongation</b> , (ISO37, Mpa, approx..)	0,5
<b>Tensile strength</b> (ISO37, Mpa, approx..)	2,1
<b>Elongation</b> (ISO37, %, approx..)	400
<b>Tear strength</b> (kN/m)	5,0

*Please note: These figures are only intended as a guide and should not be used in preparing specifications.*

**4. Thermal Properties**

<b>Properties</b>	<b>Temperatures</b>
<b>Temperature limit for use in continuous operating</b> (on 2 mm –thick film, 1000 h)	- 60°C to + 225°C
<b>Maximum peak temperature recommended in use</b> , (on 2 mm-thick film, 72 h)	+ 250°C

*N.B.: these temperatures values are not absolute limits but the range within which the initial properties are not reduced by more than 50%.*

**5. Adhesion properties**

Mainly use a primer as surface promotor to secure adhesion

Glass, enamel, ceramics, epoxy paint	Primerless self-adhesion
Metals (aluminum, stainless steel)	Primer PM131, PM820
Plastics	Primers PM820, PM824

**Packaging**

Please consult the product catalogue

**Storage and shelf-life**

When stored in its original packaging, at a temperature of between +2°C and +30°C, the **CAF 7037 MF** may be stored for up to 6 months from its date of manufacture.

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Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the products meet the sales specifications.

## Safety

Please consult the Safety Data Sheet of **CAF 7037 MF**.

Visit our website [www.silicones.elkem.com](http://www.silicones.elkem.com)

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