

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

Appearance	Fluid paste
Colour	Brick red
Cure type	Oximic (MEKO free)
Specific gravity at 25°C (g/cm³)	1,10
Brookfield viscosity (mPa.s)	50 000

2. Curing

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

Skin formation time* (min)	25-30
Cured thickness after 24 h* (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

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

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

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