

CAF 2 MF

Description	<p>CAF 2 MF E0 is one component silicone elastomers that cure at room temperature on contact with air humidity.</p> <ul style="list-style-type: none"> • Neutral, MEKO (Methyl Ethyl Ketoxime) FREE. • Translucent.
Examples of applications	<p>CAF 2 MF E0 is particularly well suited to bonding, protection and maintenance applications requiring low viscosity.</p> <p>It is particularly recommended for electrotechnical and electronic applications due to its non-corrosive nature.</p> <p>It is notably used for:</p> <ul style="list-style-type: none"> • Bonding/sealing of electronic casings. • Encapsulation of electrical and electronic components. • Connector sealing. • Glass, ceramic and mirror bonding.
Key benefits	<ul style="list-style-type: none"> • Neutral system, solvent free and MEKO free. • Non-corrosive. • Low odour.

Typical properties	<p>1- <u>Characteristics before curing</u></p> <table border="1"> <thead> <tr> <th><i>Properties</i></th> <th>CAF 2 MF E0</th> </tr> </thead> <tbody> <tr> <td>Aspect</td> <td>Self leveling</td> </tr> <tr> <td>Cure type</td> <td>Oximic (MEKO free)</td> </tr> <tr> <td>Colour</td> <td>Translucent</td> </tr> <tr> <td>Specific gravity (g/cm³, approx.)</td> <td>1.00</td> </tr> </tbody> </table>	<i>Properties</i>	CAF 2 MF E0	Aspect	Self leveling	Cure type	Oximic (MEKO free)	Colour	Translucent	Specific gravity (g/cm³, approx.)	1.00
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2- Properties after curing

Mechanical properties after 7 days at room temperature

<i>Properties</i>	CAF 2 MF E0
Hardness Shore A (approx.)	17
Modulus at 100% elongation, (MPa, approx.)	0.3
Tensile strength (MPa, approx.)	0.5
Elongation (%, approx.)	250
Tear strength (kN/m, approx.)	1.8

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3- Thermal Properties

<i>Properties</i>	<i>Temperatures</i>
Temperature limit for use in continuous operating <i>(on 2 mm –thick film, 1000 hours)</i>	- 50°C to + 150°C
Maximum peak temperature recommended in use <i>(on 2 mm-thick film, 72 hours, approx.)</i>	+ 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%.

4- Adhesion properties

Lap shear test (1 mm-thick gasket)

<i>Properties</i>	CAF 2 MF E0
Lap shear strength on AG3 aluminum, MPa, approx.	0.3

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use

Processing / curing

CAF 2 MF E0 is particularly easy to process since the product is delivered ready to use. Application can be carried out manually or using robotized application equipment.

CAF 2 MF E0 is applied to one of the two joint surfaces. Assembly must be carried out before the product has formed a skin. It is recommended to apply **CAF 2 MF E0** to clean and dry surfaces.

CAF 2 MF E0 starts to cure as soon as the product comes into contact with atmospheric humidity.

Skin formation time *, minutes: **12**
Cured thickness after 24 h*, mm: **4.3**

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

Curing increases with both temperature and hygrometry.

Regulation Please consult your local ELKEM SILICONES sales office.

Limitations Please consult your local ELKEM SILICONES sales office.

Packaging Please consult your local ELKEM SILICONES sales office.

Storage and shelf life When stored in its original packaging:
CAF 2 MF E0 may be stored at temperatures between 2°C / 36°F and 30°C / 86°F for up to 12 months from its date of manufacturing.
Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

CAF 2 MF

Safety

Please consult the Safety Data Sheet of:
CAF 2 MF E0

Visit our website www.elkem.com/silicones/

Warning to the users

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