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<u>azienda fondata nel 1892</u> Via Erzelli, 9 - 16152 Genova (Italy) Tel. 010.650.29.41 Technical Data Sheet n° SIL 08 204 3 – May 2008 Cancels and replaces SIL 02 245 3

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**CAF**<sup>®</sup> 730

### Maintenance servicing - repair range

Description	<ul> <li>CAF 730 is a one component, thixotropic silicone elastomer, which cures at room temperature simply on contact with air humidity.</li> <li>It is a product that is:</li> <li>Non flowing.</li> <li>High extrusion.</li> <li>Multi-purpose.</li> </ul>
Examples of applications	CAF 730 is particularly suited to bonding, protection and maintenance applications.  It is recommended for:  Bonding/sealing in the aeronautics industry.  Elastic bonding or protection of electronic components.  Flexible bonding/bonding between metal and/or plastic components.  Repair/servicing in industry and transport applications
Advantages	<ul> <li>Non corrosive.</li> <li>Low odour.</li> <li>Excellent thermal ageing.</li> <li>Good dielectric properties.</li> </ul>
Characteristics	1 – Processing/curing  CAF 730 is particularly easy to process, since the product is delivered ready to use. It can be applied either manually or using robotised application equipment.  CAF 730 is applied to one of the two surfaces and assembly must be carried out before the product has formed a skin.  It is recommended to apply CAF 730 to clean and dry surfaces.  CAF 730 starts to cure as soon as the product is brought into contact with atmospheric humidity.  Skin formation time *, min



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Characteristics (cont')	2. Properties before curing	
	Appearancenon flow	ving paste
	Colour	white
	Cure type	oxime
	Specific gravity at 25 ℃, approx(Standards ISO R 1183, DIN 53479, NM 703)	1.02
	Flowability, in mm(Standards BOEING S 7502, NM 459)	≤ 2
	Extrusion, g/min(Standards NM 495A 3 mm/3 bars)	≥ 120
	3. Properties after curing	
	Specific gravity at 25 ℃, approx(Standards ISO R2781- DIN 53479 - BS 903 Part A1-ASTM D297	
	3.1 Mechanical properties	
	Shore A hardness, approx (Standards ISO R 868-DIN 53505-ASTM D 2240 BS 903 Part A7-NF T 46003-NM 471)	25
	Modulus at 100% elongation, MPa, approx(Standards ISO R 37 (H2)-DIN 53504-ASTM D 412 NF T 46002 (H2)-NM 470)	0.5
	Tensile strength, MPa, approx(Standards ISO R 37 (H2)-DIN 53504-ASTM D 412 NF T 46002 (H2)-NM 470)	1.9
	Elongation at break, %, approx(Standards ISO R 37 (H2)-DIN 53504-ASTM D 412 NF T 46002 (H2)-NM 470)	400
	Tear strength, kN/m, approx (Standards ASTM D 624 specimens A-NM 492)	4.0
	3.2 Thermal properties	
	Temperature range for continuous use 55 (On 2 mm thick film, 1000h)	, + 200°C
	Maximum recommended peak temperature(On 2 mm thick film, 72 h).	. + 225℃
	<b>N.B.:</b> These thermal values are not absolute limits. They represer which initial mechanical properties are not modified by more that when using at peak temperatures, exposure for periods of less the higher maximum temperatures to be used.	n 50%. Moreover,
	Thermal conductivity at 25 °C, W/m. °K, approx	0.26



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Characteristics (cont')	3.3 Adhesion properties	
	On aluminium AG3, primerless	
	Shear strength, MPa, approx	
	Type of failureadhesive	
	On aluminium AG3 or on stainless steel with primer PM 820.	
	Shear strength, MPa, approx	
	Type of failure	
	On Polyesters, polyamides, ABS, polycarbonate, PMMA with primer PM 820.	
	Shear strength, MPa, approx	
	Type of failure	
	Comment: Primer PM 820 is not concerned by new regulations on glycol ethers.	
	Primerless self adhesion glass, enamel, ceramics	
	3.4 Dielectric properties	
	Dielectric strength, kV/mm, approx	
	Dielectric constant at MHz, approx	
	Dielectric dissipation factor at 1MHz, approx	
	Volume resistivity, Ω.cm, approx	
	3.5 Miscellaneous	
	Self-combustion temperature, ℃, approx	
Packaging	<ul><li>100 g tubes on pallets of 1600 units.</li><li>310 ml cartridges on pallets of 1200 units.</li></ul>	
Storage and shelf life	When stored in its original unopened packaging at a temperature of between +2°C and +30°C, <b>CAF 730</b> can be used for up to 12 months from its date of manufacture (expiry date).  Comply with the storage instructions and expiry date marked on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.	
Safety	Please consult the Safety Data Sheet of CAF 730.	



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Visit our website www.bluestarsilicones.com



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