

**TECHNICAL DATA**

<b>Base:</b>	Polysiloxane
<b>Consistency:</b>	Stable Paste
<b>Curing System:</b>	Moisture Cure
<b>Skin formation (20°C / 65% RH):</b>	Approx. 15 min.
<b>Curing Rate (20°C / 65% RH):</b>	1,5 mm/24h
<b>Joint sealing</b>	After 48hrs
<b>Hardness (DIN 53505):</b>	20 ± 3 Shore A
<b>Shrinkage:</b>	None
<b>Specific Gravity (DIN 53479):</b>	1,03 kg/m <sup>3</sup>
<b>Temperature Resistance:</b>	-40°C till +150°C
<b>Elastic Recovery (ISO 7389):</b>	> 90 %
<b>Maximum allowed Distortion:</b>	25 %
<b>Elasticity Modulus 100% (DIN 53504):</b>	0,28 N/mm <sup>2</sup>
<b>Maximum Tension (DIN 53504):</b>	1,51 N/mm <sup>2</sup>
<b>Elongation at Break (DIN 53504):</b>	800 %
<b>Average gross heat of combustion (EN ISO 1716):</b>	21,7 MJ/kg

**PRODUCT**

AGC FIX-IN SL is a high-quality, neutral, elastic, low modulus, single component adhesive / sealant based on special silicone polymers (Alcoxy).

**Characteristics:**

- Very easy to apply
- Does not attack back coating of AGC Lacobel (T), Matelac (T), Mirox MNGE, Mirox 4Green, with or without Safe+ safety backing
- For indoor use only
- Stays fully elastic after curing
- Very good adhesion on many materials
- Chemically completely neutral (pH=7)

**APPLICATIONS**

Bonding of AGC Lacobel (T), Matelac (T), Mirox MNGE, Mirox 4Green, with or without Safe+ safety backing onto most types of even surfaces.

Sealing of joints in decorative glass walls.

**PACKAGING**

**Colour:** transparent

**Packaging:** cartridge 310 ml

**SHELF LIFE**

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°. Use before expiry date, see packaging.

**SURFACES**

**Type:** all usual construction surfaces. Not on PE, PP, PTFE, bituminous surfaces and not on AGC safety foils without being pretreated with AGC FIX-IN SA surface activator.

**Safe+:** with safety foil backings, always use AGC FIX-IN SA as surface activator.

**State of Surface:** clean, dry, free of dust and grease

**Preparation:** prime porous surfaces with AGC FIX-IN PR, no primer required for non-porous surfaces.

The use of AGC FIX-IN SA on smooth surfaces will improve the adhesion of AGC FIX-IN SL.

It is always recommended to do a preliminary compatibility and adhesion test on any surface.

**APPLICATION INSTRUCTIONS**

Apply AGC FIX-IN SL in vertical beads or in dots to the wall/ substrate by using the enclosed V-shaped nozzle.

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Depending on the dimension and weight of the decorative glass product, the recommendation in table 1 must be respected.

Always apply a bead at each side edge of the glass sheet. See also "Remarks and Recommendations".

**Tabel 1 :**

Glass thickness in mm	4	6	8	10
Min number of beads of 100 cm per m <sup>2</sup> :	4	5	6	7
Theoretical distance between beads in cm:	33	25	20	17
Theoretical adhesive consumption (ml/m <sup>2</sup> ):	310	400	465	550
Theoretical adhesive consumption (cartridges):	1	1,25	1,5	1,75

### BOND BEAD SIZE

#### Minimum Width:

- 10 mm for bonding, using V-shaped nozzle
- 3 mm for sealing, using standard nozzle

**Maximum Width:** does not apply

**Minimum Thickness:** 3 mm

### DOTS APPLICATION

The dots can be applied randomly but evenly. It must be respect adhesive consumption mentioned in table 1 above.

**Minimum Thickness:** 3 mm

**Maximal diameter:** 50mm

**Recommendation:** Use spacers for distance keeping in between decorative glass products. Use AGC FIX-IN AT double sided tape for instant tack and spacer with substrate.

### PROCESSING

**Application method:** manual or pneumatic caulking gun

**Processing temperature:** +5°C to +35°C

**Joint sealing:** after 48hrs

**Tools cleaning:** with white spirit immediately after use

**Joint finishing:** with soapy solution before skin formation

**Repair:** with the same material

### HEALTH- AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene and ventilate sufficiently. Consult the label and MSDS for additional information.

### REMARKS AND RECOMMENDATIONS:

- AGC FIX-IN SL adhesive is only to be used in combination with double sided adhesive tape AGC FIX-IN AT.
- To avoid skin formation: apply the AGC FIX-IN AT tape to the wall/ substrate before the AGC FIX-IN SL silicone is applied.
- During the curing process of AGC FIX-IN SL, decorative glass products need to be supported until the adhesive has fully cured. The time required depends on the weight/size of the glass sheet, the environmental situation (temperature, humidity) and the amount of product used.
- In order to avoid possible condensation problems, AGC Glass Europe recommends sufficient ventilation at the back of the mirror or Lacobel/Matelac. As a guideline, an opening of 3-4 mm should be left between the substrate and the glass sheet. This can be assured by using AGC FIX-IN AT double sided tape.
- This minimal ventilation opening of 3-4mm is also recommended to ensure correct curing of the adhesive/sealant. A full surface bonding is not recommended by AGC..
- Mirrors or Lacobel/Matelac which are fitted with a Safe+ shatter protection foil must be pretreated with an adhesion promoter. AGC FIX-IN SA, when applied on this surface, ensures the best bonding performance of AGC FIX-IN SL on this type of safety foil. Without the use of AGC FIX-IN SA, the adhesive bond might be insufficient with the risk of an unsafe situation.
- If the decorative glass product is placed on an absorbing or non-absorbing mineral moisture resistant substrate (such as concrete) or moisture-sensitive non-mineral substrate (such as wood, particle board), the use of AGC FIX-IN PR Wall Primer may be necessary. AGC FIX-IN PR Wall Primer binds residues, increases adhesion to porous substrates and reduces absorption of the substrate. Without the use of AGC FIX-IN PR, the adhesive bond might be insufficient with the risk of an unsafe situation.
- If the substrate is painted prior to installing the glass sheets, the substrate colour will be visible through the transparently sealed joints. AGC Glass Europe recommends installing a mock-up to check results prior to installation, because various factors, such as light, sealant (even if transparent) and the geometry and width of the joint can have an impact on the final result.
- Apply masking tape to the glass surface around the edges of the sheets prior to sealing the joints in order to avoid staining the glass. First check that the tape and glass are compatible. The surface of Matelac (T) in particular must be protected from contamination by silicone and other sticky substances. The rough acid-etched surface is difficult to clean again afterwards.

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### **DISPOSAL**

Empty the packaging and dispose of in accordance with the local regulations.

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