

### PRODUCT

AGC FIX-IN AT Adhesive Tape is a 3,2 mm, closed-cell, polyethylene based double sided pressure-sensitive tape. It consists of medium density foam coated on both sides with a rubber based adhesive. It offers very high peel and shear properties and a high initial tack for mounting of AGC Lacobel (T), Matelac (T), Mirox MNGE, Mirox 4Green,

with or without Safe+ safety backing. AGC FIX-IN AT is only to be used indoor, and for initial bonding (first 48 hrs) in combination with AGC FIX-IN SL silicone adhesive. AGC FIX-IN AT is produced in self wound format on a calendered, siliconised white paper liner.

### MECHANICAL CHARACTERISTICS

<b>Base:</b>	Closed-cell polyethylene foam coated with pressure sensitive rubber based adhesive
<b>Thickness:</b>	3,2 mm
<b>Width:</b>	25 mm
<b>Length:</b>	Rolls of 33 m
<b>Weight excl liner:</b>	10,225 g/m (25 mm)
<b>Colour:</b>	White
<b>Density:</b>	Medium
<b>Shear strength (glass):</b>	> 4 kg/25 mm
<b>Peel strength (glass):</b>	4 kg/25 mm
<b>Temperature resistance:</b>	-40°C to +60°C
<b>Minimum application temperature:</b>	+10°C
<b>Resistance:</b>	Resistant to water, detergent and alcohol. Not resistant to aliphatic and aromatic hydrocarbons.
<b>Average gross heat of combustion (EN ISO 1716):</b>	45,9 MJ/kg

### CHARACTERISTIC ADHESION WITH SUBSTRATES

<b>Metal / Aluminium:</b>	High
<b>Glass / ceramics:</b>	High
<b>Painted surface:</b>	High
<b>Wood / board / paper:</b>	High
<b>Soft PVC:</b>	Low
<b>Rigid PVC:</b>	High
<b>PC / ABS:</b>	High
<b>Acrylic / PET:</b>	High
<b>Polystyrene:</b>	High
<b>PP / PE / PS:</b>	High
<b>Smooth substrate:</b>	High
<b>Rough substrate:</b>	High

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### SHELFLIFE

24 months in unopened packaging in a cool and dry storage place at temperatures between +15°C and +25° and +/- 50% relative humidity. Use before expiry date, see packaging.

### SURFACES

**Type:** all usual construction surfaces, not on soft PVC or non-activated safety foils.

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

**State of Surface:** clean, dry, free of dust and grease. Remains of old adhesives may affect the adhesion and must be removed mechanically, followed by degreasing.

**Preparation:** prime porous substrates 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 AT.

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

### APPLICATION INSTRUCTIONS

Apply AGC FIX-IN AT before AGC FIX-IN SL silicone. Apply AGC FIX-IN AT vertically to the substrate (wall), never horizontally. Depending on the dimension and weight of the glass sheet, adhesive tape should be placed at equal distances, according to table 1.

Always apply an adhesive strip at each side edge of the glass sheet. To ensure a constant ventilation opening of 3-4 mm, it is sometimes better to apply several smaller pieces rather than one single length tape.

Before removing the release liner, ensure good adhesion by pressing the adhesive tape against the substrate with a roller.

After removal of the release liner, position the glass sheet against its substrate and firmly press against the adhesive tape to ensure good adhesion between substrate, tape and silicone.

Table 1:

Glass thickness in mm	4	6	8	10
Minimum adhesive tape length in m/m <sup>2</sup> :	2	3	4	4

### REMARKS AND RECOMMENDATIONS

- Never install to substrates, which are not protected against possible rising damp.

- Minimum application temperature of the substrate/environment should be at least 10°C.
- AGC FIX-IN AT double sided tape adhesive is only to be used in combination with AGC FIX-IN SL silicone adhesive.
- During the curing process of AGC FIX-IN SL, glass sheets 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 decorative glass sheet. This can be assured by using AGC FIX-IN AT double sided tape.
- This minimal ventilation opening of 3-4 mm is also recommended to ensure correct curing of the adhesive/sealant.
- 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 AT 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 glass sheet 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 an adhesion promoter 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.
- It is always recommended to do a preliminary compatibility and adhesion test on any surface.

### HEALTH- AND SAFETY RECOMMENDATION

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

### DISPOSAL

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

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