

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

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

CHARACTERISTIC ADHESION WITH SUBSTRATES

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

Disclaimer: The information and guidelines in this technical data sheet are the result of our tests and experience at the time of its publication, each version of the technical data sheet being identified with reference to its revision date. The newest version of the technical data sheet replaces all preceding versions, the customer being informed that such newest version may contain technical changes that must be taken into consideration in the use of the relevant products. The latest version of the technical data sheet may be consulted on www.agc-yourglass.com or obtained from your local AGC contact upon request. The customer should verify regularly whether any updated version of the technical data sheet exists prior to using the AGC products. Since AGC Glass Europe has no control over the application modalities, we cannot be held responsible or liable for the results and for any damage resulting from improper or non-adaptive use. Since the design and quality of the substrate and the processing conditions are beyond our control, we shall not be liable on the basis of this technical data sheet for damages directly or indirectly resulting from these factors and conditions. We therefore recommend to always perform a test according to specific local circumstances. To the maximum extent permitted by applicable law, AGC Glass Europe reserves the right to modify the characteristics and presentation of its products without prior notice. AGC Glass Europe has prepared the information included in this technical data sheet in good faith and as accurately as possible but may not be held responsible or liable for inaccuracies or printing mistakes.

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.

Tabel 1:

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