

# FIX-IN Silicone bonding

For Mirox,  
Lacobel (T) & Matelac (T)

The logo for AGC, consisting of the letters 'AGC' in a bold, blue, sans-serif font. A small red square is positioned above the letter 'C'.

**5**  
YEAR  
WARRANTY

Your Dreams, Our Challenge

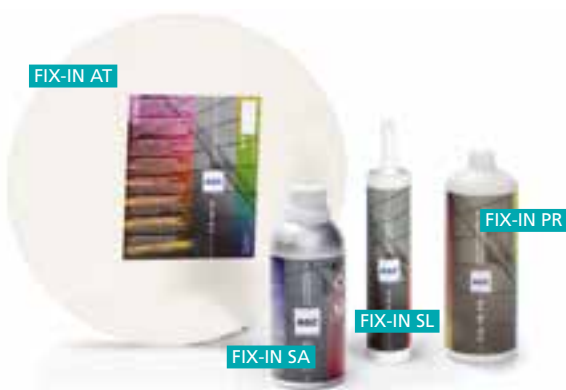


## **IMPORTANT**

All FIX-IN products must be stored and handled in compliance with the latest version of the AGC Installation Guide for interior glass applications as well as product technical data sheets, all available on [www.agc-store.com](http://www.agc-store.com) or from your local AGC contact. Any local requirements and regulations must be followed. Please contact your local AGC representative in case of questions or translation needs.

# FIX-IN Silicone bonding

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## PREPARE THE WORK

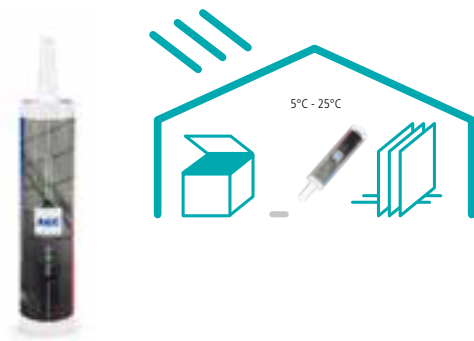
0

Pre-requirements before gluing:

- The temperatures of the surfaces to be assembled and of the ambient air must be above 10°C and below 35°C.
- For any given temperature, the relative humidity level must be 5% below the dewpoint level on the surfaces to be glued.
- The surfaces to be glued must be free of all traces of moisture.
- The area around the glazing must be free of dust.

1

Ensure that the silicone is not perished and that it has been stored in a cool and dry place.



2

Make sure to always use FIX-IN SA surface activator when glass has SAFE+ safety film on the back.



**3**

Observe the specific application procedure for the Lacobel (T) and Matelac (T) colours shown below.

### LACOBEL



White Pure  
(S-W)  
**9003 EX**



White Traffic  
(S-W)  
**9016 EX**



White Soft  
(S-W)  
**9010 CL**



White Pearl  
(S-W)  
**1013 EX**



Grey Metal  
(S-F)  
**9006 EX**



Aluminium  
Rich (S-F)  
**9007 EX**



Black Starlight  
(S-F)  
**0337 EX**

### MATELAC



White Pure  
(S-W)  
**9003 EX**



White Pearl  
(S-W)  
**1013 EX**

### LACOBEL T and MATELAC T



Crisp White  
(M)  
**1000**

(S-F) = Need safety film when applied with FIX-IN SL.

(S-W) = To be applied on uniform white painted background only.

(M) = Mechanical fixing only (see Installation Guide for more details).

Learn more about AGC's extensive range of Lacobel (T) and Matelac (T) on [www.agc-yourglass.com](http://www.agc-yourglass.com).

# NEW CONSTRUCTION

## PREPARE THE SUBSTRATE

1

Check and ensure wall flatness and evenness. Clean dust from wall with a brush.



2

Apply FIX-IN PR wall primer on porous surfaces and let it dry. Some Lacobel and Matelac colours require a uniform painted background (see p. 3). No wall primer needed in case of white painted background.



3

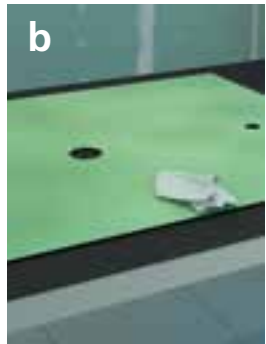
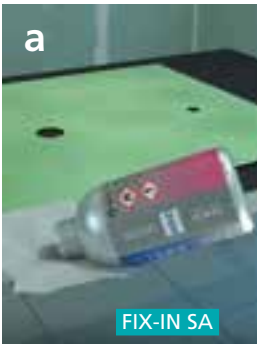
Paint a narrow line (max 1 cm) on the joint areas in colours matching the glass and let it dry.



## SAFETY FILM PREPARATION

4

- If SAFE+ safety film is present on the back of glass: Apply FIX-IN SA surface activator always in the same direction (from left to right or from right to left, without rubbing it) and clean the back with a dry cloth.

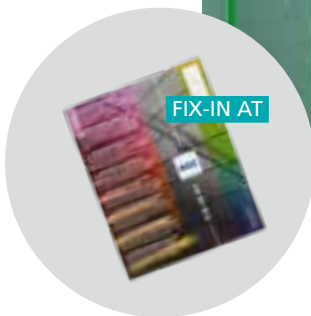


- If no safety film is present, no surface activator is needed. Start bonding the glass.

## BONDING THE GLASS

5

- Apply FIX-IN AT double sided tape outside the coloured joint area and press firmly to wall.

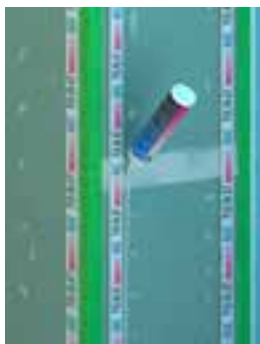







6

Apply FIX-IN SL silicone in vertical<sup>(1)</sup> lines or dots on the wall, observing recommended distances (see table below), depending on glass thickness.



FIX-IN SL



			 1m <sup>(1)</sup>
	FIX-IN AT	4 mm 6 mm 8-10 mm	2 3 4
	FIX-IN SL	4 mm 6 mm 8 mm 10 mm	4 5 6 7

<sup>(1)</sup> Minimum running m per m<sup>2</sup>

7

Apply additional silicone close to cut-outs and holes.



8

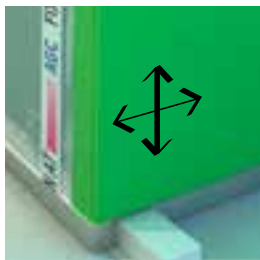
Remove protection film from FIX-IN AT and use setting blocks to support glass.





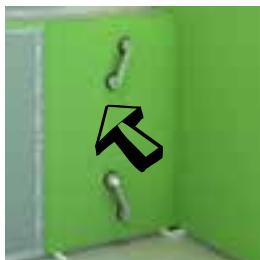
9

Start installation at outer edge. Position and adjust the sheet whilst floating on silicone.



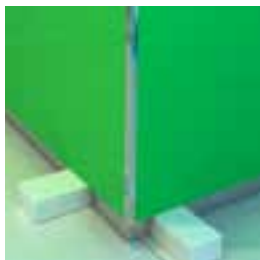
10

Once well positioned, press firmly on glass for adhesion to tape.



11

Use metal profiles for outer corners to improve the resistance.



12

Allow at least 48h drying time before removing setting blocks.



13

In moist areas, always seal joints. Whilst sealing joints, protect glass with masking tape and remove tape as soon as silicone is applied.



# REFURBISHMENT

## PREPARE THE SUBSTRATE

1

Check tiles for hollow areas, remove loose parts.



2

Check and ensure wall flatness and evenness.



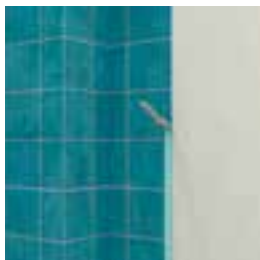
3

Clean tiles with water + a drop of ammonia ( $\text{NH}_4\text{OH}$ ).



4

Paint the wall on the joint areas in colours matching the glass and let it dry. Some Lacobel and Matelac colours require a uniform white painted background (see p. 3).



## SAFETY FILM PREPARATION

5

- If SAFE+ safety film is present on the back of glass: Apply FIX-IN SA surface activator always in the same direction (from left to right or from right to left, without rubbing it) and clean the back with a dry cloth.



- If no safety film is present, no surface activator is needed. Start bonding the glass.

## BONDING THE GLASS

6

Apply FIX-IN AT double sided tape outside the coloured joint area and press firmly to the tiles or the glass wall.








7

Apply FIX-IN SL silicone in vertical<sup>(1)</sup> lines or dots on tiles or glass matching recommended distances (see table below), depending on glass thickness.



FIX-IN SL

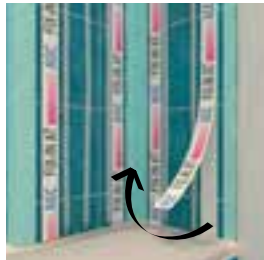


			
	FIX-IN AT	4 mm 6 mm 8-10 mm	2 3 4
	FIX-IN SL	4 mm 6 mm 8 mm 10 mm	4 5 6 7

<sup>(1)</sup> Minimum running m per m<sup>2</sup>

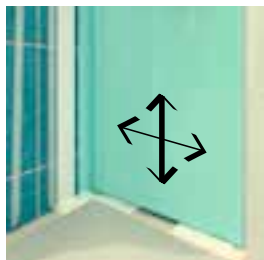
8

Remove protection film from FIX-IN AT and use setting blocks to support glass.



9

Start installation at outer edge. Position and adjust the sheet whilst floating on silicone.



**10**

Once well positioned, press firmly on glass for adhesion to tape.



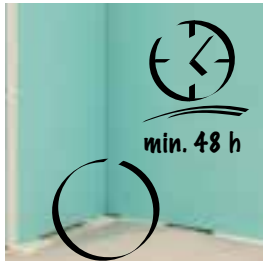
**11**

Use metal profiles for outer corners to improve the resistance.



**12**

Allow at least 48h drying time before removing setting blocks.



**13**

In moist areas, always seal joints. Whilst sealing joints, protect glass with masking tape and remove tape as soon as silicone is applied.



## TIPS & TRICKS

1. To easily rectify the placement of large sheets of glass during installation:
  - a) apply FIX-IN AT 10 cm above the lower edge of the sheet
  - b) apply FIX-IN SL in vertical lines or in dots larger than the FIX-IN AT (3.21 mm).
2. Silicone FIX-IN SL can also be used for sealing joints.
3. If there are traces of silicone on the glass side, products for cleaning silicone on glass (including matt glass) can be purchased on the site [www.agc-store.com](http://www.agc-store.com). These products can be used to remove dry silicone as well as fresh silicone. A video of this easy and effective cleaning process can be viewed on the home page of the site.

All FIX-IN products may be purchased online on the [www.agc-store.com](http://www.agc-store.com). Be sure to view the tutorials on the home page.

## WARRANTY

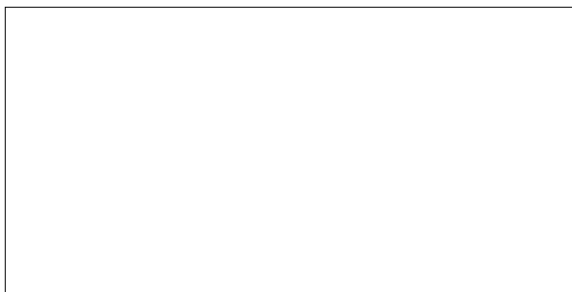
AGC offers a 5-year warranty on Lacobel, Matelac and Mirox products and a 10-year warranty on Lacobel T and Matelac T products against discoloration, cracking and peeling of the paint\*. This warranty applies only if FIX-IN products have been used in full compliance with the latest version of this Installation Guide, which can be either consulted on [www.agc-store.com](http://www.agc-store.com) or obtained from your local AGC representative. AGC is not responsible for products or materials produced or supplied by third parties.

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Dealer's stamp



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