Installation for Phantom 3D Glass

Procedures and Guidelines

1. Tools:
   a) Adhesive Glues: silicone glue   **For specification of Glues, refer to below**
   b) hot melting glue   **a fast drying glue to fix and hold the glass position**
   c) Others: Diamond cut, ruler, steel rolling ruler(3m), wooden folding ruler, wire nipper, flat shovel, putty knife, wooden handle small hammer, wiping cloth..

2. Adhesive Wall Treatment:

Object Substrate	Float Glass
Subject Wall:	Wood, Metal, Glass basis
Condition/Treatment:	Must be flat and dry. Porous surface is fine.
Preferred Adhesive:	Neutral (meaning neutral Alkoxy) silicone glue (general purpose)

Object Substrate	Float Glass
Subject Wall Nature:	For concrete wall
Condition/Treatment:	Must be dried, flatten, and "uncoated"
Preferred Adhesive:	High quality "Heavy Duty Construction Adhesive"

For specification of Glues, refer to below
for Mirror object, Non Corrosive, Neutral Silicone is preferred

3. Positioning:
Making line marks according to design drawing on flat wall, measuring precise sizes to control tiles' positions and verticals.
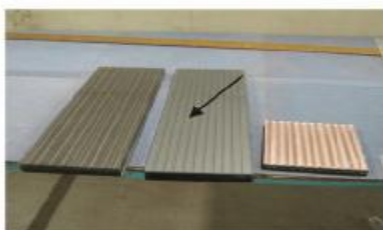
4. Gluing Method
   a) 600x300mm standard tile: Gluing one drop of silicone glue each on 4 angles back (about 30mm away from edges)(Pic. 4-1), then gluing 3 drops of hot melting glues in centre for quick fixing on the wall (Pic. 4-2).
   b) 300x300mm tile: gluing one drop of silicone glue each on 4 angles back (about 30mm away from edges)(Pic. 4-3).

5. Installation.
   a) Adhering tiles in positions according to line marks on the wall. Align the lines straight in both horizontality and verticality.
   b) Installing tiles from top to bottom please reserve 0.5mm gap between each tile. Use the "cross pins" to separate the gaps.
   c) Dry time: Clean surfaces of tiles with wet wiping cloth in 6-7 hours after installation. Wait for 20 hours for completely drying (in case of using Neutral Alkoxy silicone)
   d) Finishing: Take out the "cross pins' and the clean up the glass surface.

1 2 3

4-1 4-2 4-3

5 6 7

Other Installation Data

Material	Float glass				
Thickness(㎜)	2、3、4、5、6、8、10、12				
Dimension(㎜)	1830×2440				
Installing method	Stick with glass cement	Stick with glue for tile	Metal inlay	Wood inlay	Screw fixing
Items	Cutting	OK (before Toughening)			
	Drilling	OK (before Toughening)			
	Polishing	OK (before Toughening)			
Toughening	NO，but if required, it would be taken as special order since the glass can not be processed after toughening.				
Hot bending	NO, the painting would be destroyed under 800°.				
Laminated	OK, the glass can be made in one-side or double-sides laminated with EVA or PVC				

Silicone Sealants –

Object Substrate for Float Glass

Characteristic:	Excellent Weather ability & Waterproof
Color:	White, Black, Grey and Customer-Made Colors
RTV:	Neutral （meaning neutral alcoxy）
Property:	Oxim Based
Purpose:	Curtain Wall, Structural Purpose, General Purpose
Quality:	100% Silicone, Toppest Quality

Object Substrate for Mirrors

Characteristic:	Excellent Weatherability & Elasticity & Stability
RTV:	Neutral Cure
Content:	Silicone
Purpose:	Especially Used for Mirror, Long Service Time

** MUST : Neutral (meaning neutral alcoxy) and Non Corrosive silicone sealants release alcohol as they cure, and has almost no smell, but take about 3 times longer to set up than acetic curing sealants. The do have overall a higher "grip" than Acetic types.

** NO Acetic (Acetoxy) silicone sealants release acetic acid (which smells a little like vinegar) as they cure. The will cure faster but do not stick very well compared to Neutral cure types