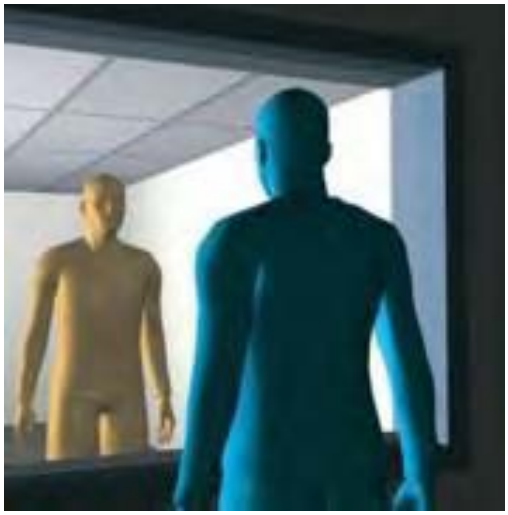
Laminated Two Way Mirror

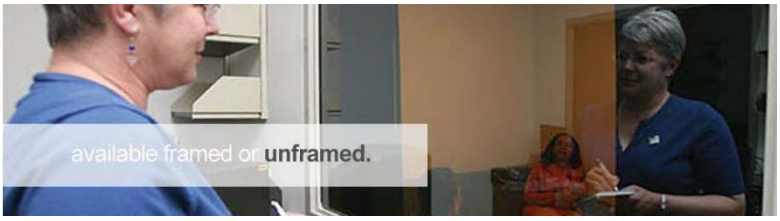
Our Laminated two way Mirror is a reflective glass, manufactured by coating clear float glass by magnetically enhanced cathodic sputtering under vacuum conditions.



The laminated two way has a bronze tinted glass on the observation side and can be used under certain lighting ratios (7:1) for undetected observation. It's characteristics of low light transmittance and high light reflectance: Result in a mirror- like appearance for the area under surveillance, preventing the subject from seeing through the glass.

This product is ideal for creating an observation area, enabling the observer to see through the glass without being seen, providing lighting levels in the area under surveillance are seven times brighter.

Minimum dimensions
300 x 300 mm



Maximum dimensions
2500 x 1600mm

PERFORMANCE

Mirrorworld Laminated Two Way	Light Transmittance %	Light Reflectance		Solar radient Heat	Solar factor g	Shading Coefficient SC
		non-coated side	coated side			
8.8mm	<2	52	38	53	0.10	0.12

The above are approximate guides only

LIGHT LEVELS

A minimum 7 to 1 light level is recommended and should be adhered to if possible. Less critical applications may allow lower ratios but the masking and observation properties will be diminished.

Type of Lighting

Subject side lighting should be bright and evenly distributed over the subject and all walls and furnishings, but should not shine directly onto the two way mirror. Beyond this, lighting may be consistent with decor and function of the room. The intent is to brighten the reflected image seen by the subject.
Note: do not shine subject side lights directly onto the glass because they will only shine through the glass and illuminate the observer and the dark observation room behind the transparent mirror.

Observer side lighting should be dim with no open light sources (such as unshaded high intensity desk lamps), or reflections from bright objects such as chrome furniture, potentially visible by the subject in a direct line of sight through the transparent mirror. Opaque lamp shades on the observer side are recommended for best results.

FOR EVEN BETTER RESULTS

Background Colours

Mirrored/Observed side decor should be bright and light in colour or shade to create a bright reflected masking image. Whilst the observation area decor should be subdued, dark and uniform. Patterns should be minimized in favour of plain materials. Bright reflecting chrome furnishings should not be used on the observer side.

LIGHT BOX TESTS

To view our light box tests visit http://www.mirrorworld.co.uk/content/Two-Way-Glass-Comparisons.asp