

Cutting Guardian Inspiration^{UV} glass

Prepared - 28/11/2005
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General info

- Guardian Inspiration UV glass (clear or non glare) has a protective blue plastic film on the *coated* side. This protects the UV block coating from damage while handling or in storage.
- It can be cut by specialised machine (ie Fletcher 3100), or by hand cutter on a suitable work bench.

Blue film / coated side faces artwork



With Fletcher 3100

The glass should be positioned to be cut through the blue film. This means that it can be placed (slid) into position as you would normal picture framing glass, without risk of scratching unprotected coatings.

Use of the Tungsten Carbide wheels (124^o) is recommended for long term cutting life.

The same setting (on the cutting pressure adjustment knob) that you use for normal picture frame glass is usually fine to slice through the blue film and score the UV glass.

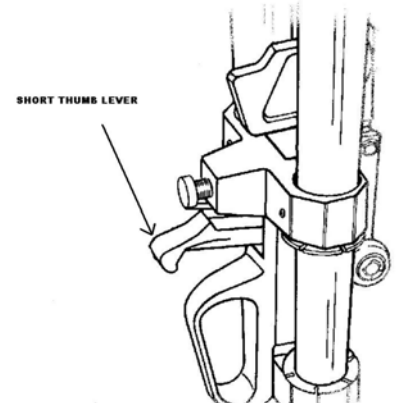
With one small procedure added, **gently holding thumb pressure up on the short thumb lever.**

Try this without glass present. Without holding the short thumb lever up, you can lift the spring loaded head with relative ease. Holding the short thumb lever up gently with the thumb, the cutting head stays down, and you can't raise it as normal with the spring pressure.

OK, now with glass in position on the left squaring edge bar, raise the cutting head and gently release the wheel onto the film surface, a couple of mm down from the top edge of the glass.

Now, **with gentle thumb pressure only, hold the short thumb lever up.** Not hard, but just resting it there. This keeps the spring loaded head cutting through the blue film, stopping it from 'riding' on top of the film surface.

Ok, so with the cutting head in position on the blue film, and with thumb pressure up on the short thumb lever, bring the cutting head down as normal to cut through the film and score the glass. From the bottom right of the cut side, start the run as normal and the glass will run the same as when cutting normal picture framing glass.



Cutting by hand

On a firm flat bench (and I mean one layer of carpet etc, or on a surface such as foamcore, coreflute, or even plain mdf) the protective film can be cut through and run as you would normally with plain glass. You need to use a good sharp quality cutter, and apply more pressure than with plain glass.

You should also ensure the same even pressure through the entire cut to keep through the film and scoring the glass. **Practice on offcuts !**

- **Alternatively (and safer to start)**, you can cut on the opposite side and run like normal glass; that is run the cut, or snap over the end of the bench. With the film in place either angle it down (over the end of the cutting table) and apply a little pressure to open the gap between the 2 pieces. A box cutter type blade can then be run through.

Small pieces can be stood on the bench and angled at 90° (film in), then a similar blade run down in the inside corner through the film.