



Removal of *UVTEC* coating from glass.

The methodology contained in this notice is to UVTEC's knowledge the best way to remove UVTEC from glass, however UVTEC takes no responsibility for any mishap, injury or damage to glass or any other material whatsoever, and will reject all claims relating to the aforementioned, and any personal injury to those who decide to follow this procedure. THE BLADES ARE VERY SHARP... BE CAREFUL.

A cool day should be chosen for the removal of UVTEC, as on a hot clear day close working behind glass can be exhausting.

Products required:

- Litre bottle of Cloudy Ammonia (Bunnings or Mitre 10).
 - Litre of clear meths.
 - Two trigger spray plastic bottles for above liquids.
 - A paint filter face mask to neutralize the smell of the ammonia.
 - Solvent barrier cream and a pair of plastic gloves.
 - A plastic T bar with a supply of metal blades.
 - Micro-fibre cleaning cloth and plastic bag for product residue.
1. Work in small areas of about 1 sq/m and first spray the coating with a fine mist of Cloudy Ammonia. This initial spray should be left on for about a couple of minutes to help soften the coating.
 2. Respray the coating with Cloudy ammonia whilst at the same time using the T bar/blade starting at the top of the window at an angle of 45 degrees remove the coating in downward strokes. This second spray of Cloudy Ammonia will lubricate the blade for ease of coating removal.
 3. The coating should congeal and come off like wet folded glade wrap,

and is not known to damage any surface. E.g. paint, carpet etc.

4. Work from left to right, or right to left across the surface of the glass working to the base of the window until the coating is removed.
5. The blades need to be changed at regular intervals as they lose their edge depending on use
6. Spray clear meths onto the glass and repeat the above process. There will be a surprising amount of product that appears from the pits and pores of the glass and this needs to be done to provide a clear clean surface.
7. There may be coated areas that appear as a smear on the glass as glass is undulating and not perfectly flat, therefore a perfectly straight surface like a razor will miss the troughs within the glass. Re-do these smear areas as per above.
8. Then liberally spray meths onto a microfiber cloth or the glass and wiped over the whole window.
9. The coating residue can be placed in a plastic bag and disposed of as household rubbish.

Should a professional T razor bar be required (T-Bar Scraper Triumph MK2 150 mm) are available from Trucut NZ 0800 656 911. Blades are; Sterling 150mm Scraper Blade part # 854020.

Toughened Glass.

Website information:

Viridian formally known as Pilkington state:

<http://www.viridianglass.com/Products/default.aspx> (Cleaning)

“The cleaning of toughened glass requires special care. The glass surface opposite the standards compliance stamp may, as a consequence of the manufacturing process, have “pick up” on the surface. “Pick up” is a deposit of very small particles of glass, which are fused to the glass surface.

A cleaning method, which does not dislodge these particles, should be employed otherwise scratching of the glass surface may result. Blades or scrapers have been known to dislodge “pickup” from the glass surface. A soft cloth, which will not dislodge “pick up”, should be used. It is suggested that professional cleaners consult with their suppliers as to the suitability of available cleaning equipment, materials and methods”.

1. Toughened safety glass

<http://www.viridianglass.com/Products/default.aspx> (Glass Types)

“Float or Décor Plattered glass is placed in a roller hearth toughening furnace. The glass is heated then rapidly cooled, resulting in the glass retaining high compressive stresses. Fully toughened glass is 4 to 5 times stronger than ordinary glass and if broken forms small granules. Heat strengthened glass has a lower residual stress and is two times stronger than ordinary glass. It is not a safety glass and if broken it forms large pieces. Toughened and heat strengthened glass cannot be cut and both are resistant to high differential temperatures (180-250 deg C)”.

2. MetroGlasstech

<http://www.metroglasstech.co.nz/079.aspx>

Blades or scrapers can dislodge “pick up” on toughened glass. There are fine particles of glass that are fused on to the surface during toughening. Once dislodged, they can scratch the glass.

3. AS/NS 4667

Reference <http://www.metroglasstech.co.nz/074.aspx> “A normal method of inspection for scratches, scars and rubs for example is to inspect the glass from 3 metres in a perpendicular position (90 degrees) using daylight without direct sunlight, or with a suitable background light. Imperfections should not be visible from a distance of three metres”.

To remove the UVTEC coating from toughened or safety glass requires great care in that the safety razor should never be dragged back up over an area that has just had the coating removed. Scrape downwards only in a single stroke no

longer than a 15cm stroke with the blade at a 45 degree angle, and then wipe the blade clean before of the moving onto the next scrap down area.

This procedure may have to be repeated several times and it is vitally important that the blade is not dragged back up the glass. This will avoid the “pick up” been layered back over the glass and it is this action that causes the scratching of the glass.

Check and double check that one is not scratching the glass. If the glass is scratched then normally a call to NOVUS to have the glass polished free of scratches will suffice.

Thank you for your past business but Covid 19 has forced us to close.

On behalf of the UVTEC Team **Keep Safe** and **Best Regards**.

A handwritten signature in black ink, appearing to read "Lawrence A. Jones". The signature is stylized with a large initial "L" and a long horizontal stroke at the end.