

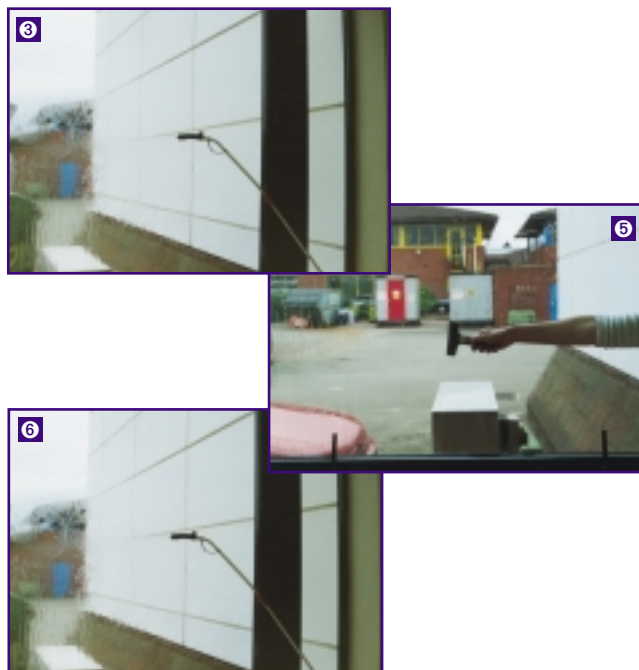
# 3M™ SCOTCHSHIELD™ GLASS PROTECTION FILM

## WINDOW PROTECTION

1. If possible, customer should provide clear access to window
2. Protect floor, carpet, window ledge, wall, etc., with suitable absorbent material (drop cloth) - not plastic
3. Turn off or cover heating/AC and ventilation ducts
4. Set up film dispenser where required
5. Have tools and supplies as close to the window as possible

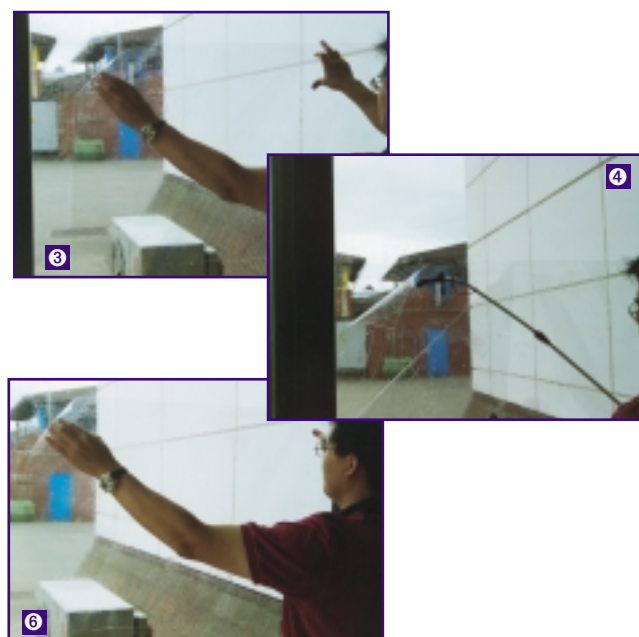
## CLEAN GLASS AND FRAME

1. Wipe down window frame with damp cloth or sponge
2. If window putty or seal is old and cracked, tape or seal prior to washing glass
3. Wash window using pressure spray tank (see pic 3)
4. If glazing is in good condition, flush edges
5. Scrape glass (see pic 5)
6. Thoroughly rinse glass from top to bottom with pressure spray tank (see pic 6)
7. Squeegee entire glass surface to ensure that loose debris is removed
8. Dry glass edge and window frame



## FILM APPLICATION

1. Lightly spray window with slip solution
2. Cut film 1"(2.5 cm) wider and 1"(2.5 cm) longer than glass size
3. Lay film on glass with adhesive side toward you (see pic 3)
4. Wash off overcoat as liner is being removed (see pic 4)
5. Ensure that hands are clean and free from contamination
6. Turn film around and apply to glass (see pic 6)





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## FILM APPLICATION *continued...*

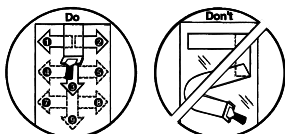
7. Wet the surface of the film by re-spraying with slip solution (*see pic 7*)

8. Apply the film using firm squeegee pressure (*see pic 8*)

a) Use appropriate squeegee

b) Additional 'wetting' of film surface maybe required to reduce friction

c) Use proper squeegee pattern



d) Always keep squeegee blade lubricated during squeegeeing

9. Trim film to size (*see pic 9*)

a) Use trimming guide

b) Trim within 1/8" (3mm) of window edge in order to

i) Reduce dirt entrapment at edges

ii) Prevent edge damage

iii) Prevent corrosion

c) Always use new blade tip after 3-4 cuts

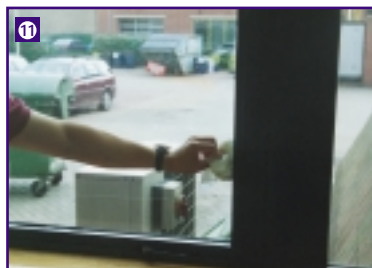
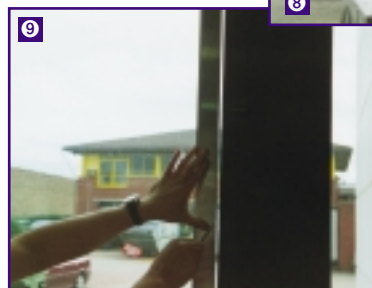
10. Re-lubricate with slip solution and squeegee

(Using squeegee and squeegee pattern mentioned above)  
until all water is removed

11. Dry edges - bumping (*see pic 11*)

a) Bump film edge with absorbent lint-free towel

b) Wipe frame edge dry



## ADDITIONAL INSTALLATION INFORMATION

### Cleaning Glass and Frame:

Use of a commercial glass cleaner with ammonia is recommended. This will cut out most dirt and grease residue providing a clean dirt free surface. Multiple cleaning should be done if glass/frame systems are very old and dirty.

An application of 3M Citrus Base Cleaner (3M I.D. No. 62-4615-4930-5) can help with very dirty frame systems. A light scrub with a 3M, 0000, Super Fine, Synthetic steel wool pad (3M Catalogue No.10119, I.D. No.70-0706-5285-7) will help to loosen and remove the dirt and residue.

### Film Application:

Slip solution should be mixed with clean or filtered water. A good grade of dish-washing detergent should be used. Detergents with additives (i.e. lanolin, perfumes, and disinfectants) should be avoided. A mixture of one cap of soap to 1 litre of water would be appropriate for most conditions.

Do not over use soap in the slip solution. You can dramatically effect the bonding characteristics of the 3M adhesive bond to the glass. Not using enough soap in the slip solution can cause air to be forced into the adhesive during the squeegeeing that will result in small bubble defects after drying.



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