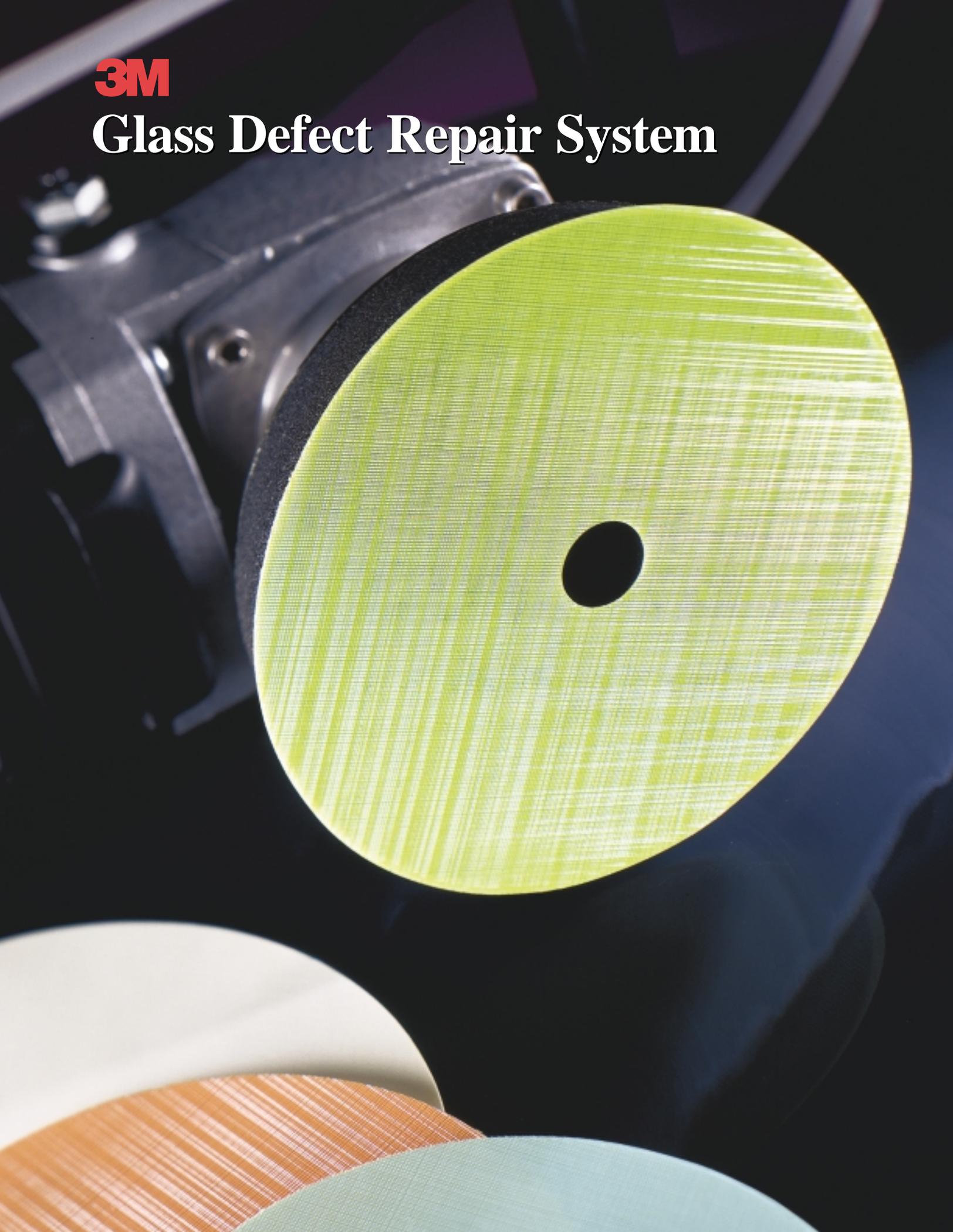


**3M**

# Glass Defect Repair System



**3M™ Trizact™ Films:  
A cleaner, longer  
lasting abrasive  
system for glass  
defect repair.**

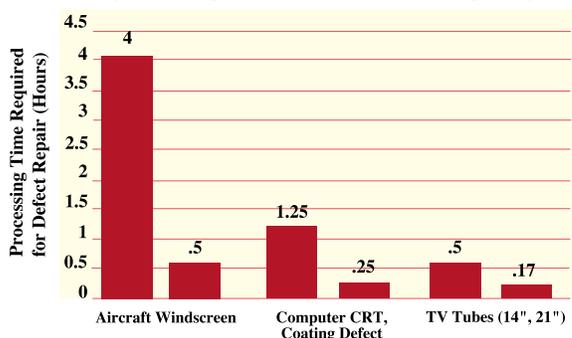
Conventional coated abrasives tend to dull quickly in a glass repair operation. 3M's unique Trizact™ film provides long lasting, consistent cut and finish while minimizing the abrasive disc change-over and slurry clean-up.

Micron graded Trizact abrasive films are produced by microreplication — the creation of microscopic 3-dimensional structures applied to a backing in a precise pattern. Trizact film consists of precisely shaped pyramids of fine grade mineral. As the top of these pyramids wear away fresh cutting mineral is continually exposed.

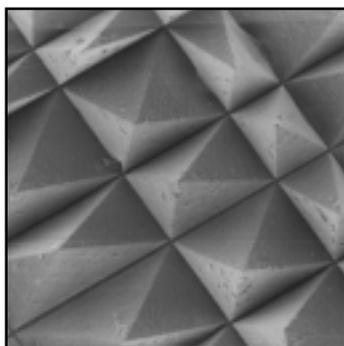
The continual exposure of new mineral ensures a fast, consistent cut rate that easily removes defects such as scuffs, scratches and acid marks on TV/CRT screens, table glass, airplane windscreens and windows, architectural glass and more.

**Increase Your  
Productivity**

**Productivity Advantages with 3M Glass Defect Repair System**



Tests results show that Trizact films last longer than conventional silicon carbide paper and can significantly reduce processing time for scratch and defect removal. 3M Trizact films last longer, cut faster and help provide a superior finish.

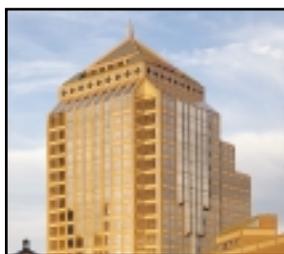


The precisely structured surface of Trizact™ film is clearly visible under 50x magnification. 3M is the leading authority on microreplication employing the technology in overhead projector lenses, reflective traffic signs and solar optical film.

**Applications**



TV screens

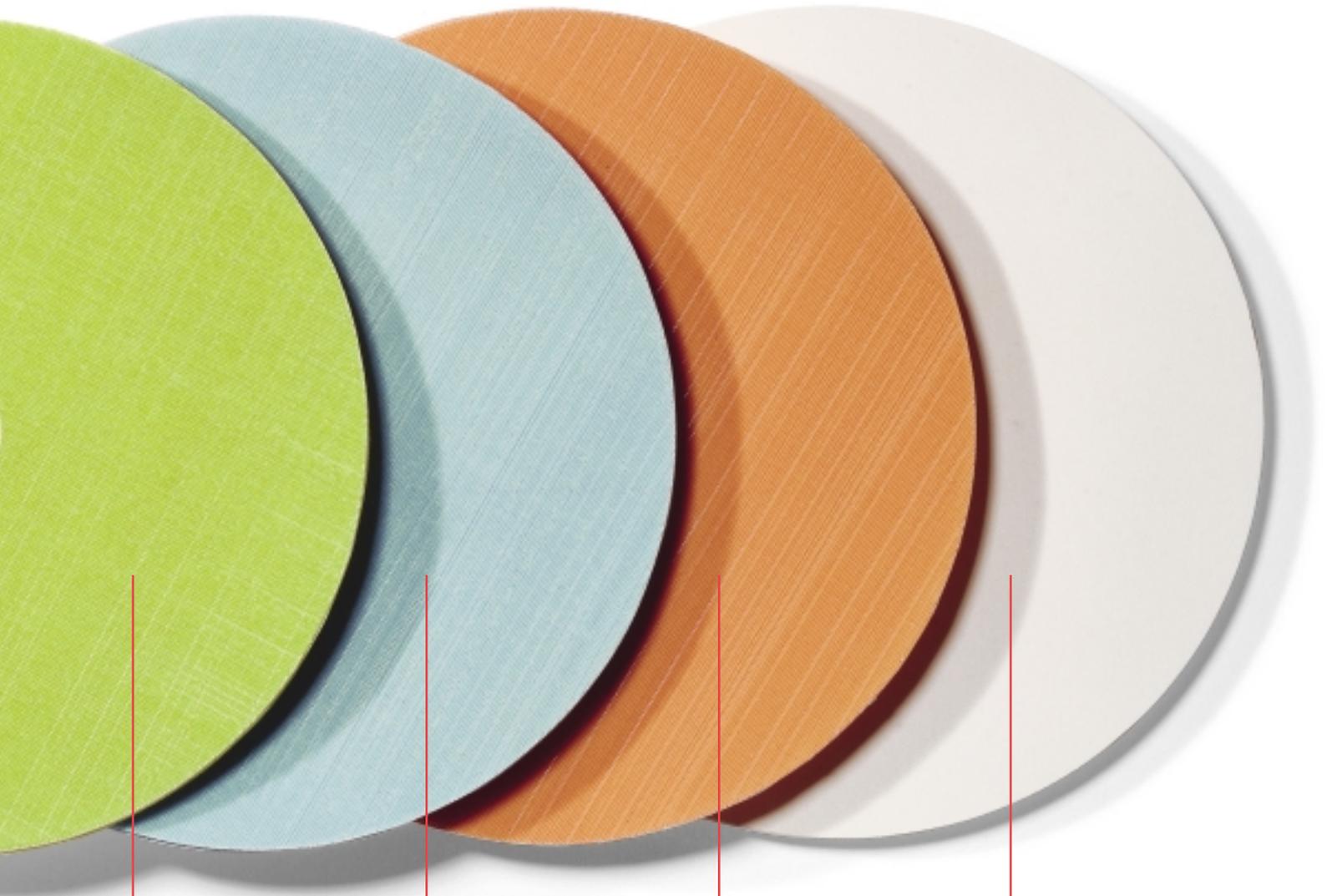


Architectural glass



Computer monitors





**3M 268XA  
3M™ Trizact™ Film**

**Removes larger  
scratches and defects**

Use the A35 disc as the first step in removing larger scratches and defects. A small amount of water triggers the cutting action. Controlled water flow helps reduce heat and keep the glass cooler.

**3M 268XA  
3M™ Trizact™ Film**

**Refines scratches,  
removes scuffs and  
acid marks**

Use the A10 disc to refine the scratches left by the A35. Or start with the A10 disc to remove shallow scratches, scuffs and acid marks. Apply a small amount of water to start the grinding action. Control the water flow to avoid generating too much heat.

**3M 268XA  
3M™ Trizact™ Film**

**Refines scratches,  
removes defective  
AR coatings**

Use the A5 disc to further refine any scratches left by the A10. As in previous steps, apply a small amount of water to start cutting action. Avoid extended dwell time to minimize heat build-up.

**3M 568XA  
3M™ Trizact™ Film**

**Polishes and leaves  
glass crystal clear**

Use this cerium oxide disc for a final polish. To begin, wet the surface slightly with a small amount of water. As you polish, the pyramids will break down to form a slurry-like solution. The polishing action that occurs will remove scratches left by previous leveling steps.



*Aircraft windscreens*



*Glass furniture*



*Automobile sunroofs*

**3M™ Glass  
Repair System  
Components**

3M™ Trizact™ Film Product I.D.	Micron Grade	Color	Mineral
3M 268XA	A35	Green	Aluminum Oxide
3M 268XA	A10	Blue	Aluminum Oxide
3M 268XA	A5	Orange	Aluminum Oxide
3M 568XA	none	White	Cerium Oxide

**Tools**

Glass repair with Trizact film requires a rotary sander (1600 - 1800 RPM) with “on-demand” water feed capability. Contact 3M for recommended supplies.

**Back-up Pads**

*General purpose pad for use on contoured surfaces.*

3M™ Stikit™ Disc Pad CWF  
Part number 06681  
Dimensions: 5” x 3/4” x 3/4” CH x 5/8 - 11.

*Siffer pad for use on flat surfaces.*

3M™ Stikit™ Disc Pad - K-Face  
Part number 70148  
Dimensions: 5” x 3/4” x 3/4” CH x 5/8 - 11.

**Process  
Recommendations**

TV and CRT Screens	
Defect Categories	Recommended Process
Scratches, Dings	A35 - A10 - CE0
Light Scratches, Scuffs	A10 - CE0
Hard Coats (oxides)	A5 - CE0
Glass Frit	A5 - CE0 - or CE0 only
Silica Coating (anti-glare, & static)	CE0
Flouric Acid Spots	CE0

Tempered Glass (Aircraft Windscreens, Float Glass and other Harder and Tougher Glass)	
Defect Categories	Recommended Process
Scratches	A35 - A10 - A5 - CE0

**Our technical support  
helps guarantee  
superior results.**

To achieve superior results you need the right “tools”. Let our technical experts explain the best procedure for your glass repair operation.

For complete instructions or for help optimizing your glass defect repair system, contact your authorized 3M distributor or call Superabrasives and Microfinishing Systems Department at: 651-737-1783.

For a list of distributors in your area call 1-800-742-9546.



Superabrasives and Microfinishing  
Systems Department  
3M Abrasive Systems Division

3M Center, Building 251-2E-04  
St. Paul, MN 55144-1000  
651-737-1783 Telephone  
1-800-742-9546 Toll-free



For more information on other  
helpful 3M products, call  
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