



## DQC-M Repairs. Protects. Improves. Quickly.

Vikuiti™ Durable Quick Clean Matte Film repairs and protects delicate LCD screens.

Vikuiti™ Durable Quick Clean Matte Film (DQC-M) is an easy, cost-saving way to repair many types of LCD damage. Whether it's keyboard scuffing that occurs during transport, or scratches from general use, the specially designed adhesive on Vikuiti™ DQC-M Film fills in most screen surface irregularities so they are virtually undetectable. DQC-M is a quick fix that will save you time and money over replacing the polarizer and/or the entire LCD module.

This easy, cost-saving repair will even help protect laptops from future damage. The durable, hard coat and easy-to-clean surface helps protect the screen from scuffing and scratches. There is no visible coating degradation with exposure to MEK, acetone, motor oil, cola or permanent marker and it repels ink marks so they wipe away easily.

Vikuiti™ DQC-M Film refreshes your LCD screen, making it look like new.



**3M** Innovation

DQC-M

# Vikuiti™ Durable Quick Clean Matte Film (DQC-M)

LCD damage is a common complaint. Vikuiti™ DQC-M helps save time and money.

One of the most appealing features of modern laptops and LCD screens is the ultra-thin profile. It allows laptops to fit easily inside most carry-on bags and even briefcases. However, one downside to the slimmer design is the potential for screen damage. The panels on slimmer laptops have a smaller gap between the screen and the keyboard when closed. Over time pressure on the outside of the laptop can cause the keyboard to leave scuff marks on the delicate LCD screen. Vikuiti™ Durable Quick Clean Matte Film (DQC-M) offers an innovative alternative to replacing the polarizer or the entire LCD module, which helps you reduce labor and material costs.



Vikuiti™ Durable Quick Clean Matte Film (DQC-M) offers an alternative to replacing the polarizer or the entire LCD module, which can be quite costly and time-consuming.

*Simply remove the LCD panel from the device and laminate Vikuiti™ DQC-M film over the top of the existing polarizer. DQC-M film will fill in most screen surface irregularities so they're virtually undetectable.*

*Vikuiti™ DQC-M film refreshes the LCD screen. With the easy-to-clean surface, ink marks bead up and wipe away quickly and easily.*



## Nominal Film Properties

Characteristic	Response
Thickness	7 +/- 0.5 mil
Hardness	4H pencil hardness
Steel Wool Abrasion	No scratch – 10 rubs #0000, 1600g/in. sq.
Taber Abrasion	< 8% ΔHaze
Surface Energy	< 30 dynes/cm
Haze (Matte level)	15 – 25%
Transmission	> 92%

## Environmental Testing – Appearance, Transmission, Color

Test	Testing Condition
Heat resistance	85°C x 1000 hrs
Cold resistance	-40°C x 1000 hrs
Humidity resistance	65°C 95% RH x 1000 hrs
Thermal shock	(-30°C x 1 hr/85°C x 1 hr) x 100 cycles

## Storage Requirements

- Store DQC-M film under controlled temperature and humidity conditions:

### Recommended

Storage Temperature	50°F to 77°F (10°C to 25°C)
Storage Humidity	50% +/- 15%
Use Temperature	41°F to 68°F (5°C to 20°C)
Use Humidity	40% +/- 15%

- Store DQC-M film flat, in its original packaging, away from direct sunlight
- Do not place heavy objects on top of DQC-M film

## Chemical Resistance

No visual degradation of coating with exposure to: MEK, toluene, acetone, isopropyl alcohol, 50% acetic acid, window cleaner, coffee, cola and permanent marker

**The following is made in lieu of all warranties of merchantability or fitness for a particular purpose.** 3M Warrants that, at the time of the shipment, product will meet 3M's published specification or that specification agreed in writing between 3M and purchaser. Should product not meet specifications at time of shipment, 3M will replace or refund the purchase price of such quantity of the product found not to meet specifications.



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Purchaser shall determine the suitability of the 3M product for purchaser's application. **3M shall not be liable under any legal theory, including in contract or in tort, for any injury, loss, or damage, whether direct, indirect, incidental, special or consequential, arising out of the use or the inability to use the product.**

**The warranties and remedies set forth herein are purchaser's sole and exclusive warranties and remedies.**

For ordering information on Vikuiti™ Display Enhancement Films from 3M, please call 1-800-553-9215. For more information, visit us at: [www.3M.com/Vikuiti](http://www.3M.com/Vikuiti)