

3M Mobile Interactive Solutions

3M™ Anti-Reflection Matte NC Protection Film (ARMR220 NC)

Coming Soon!



Advanced technology

for protecting and enhancing your displays

ARMR220 NC offers durable protection for electronic displays to help reduce warranty and repair costs

3M™ Anti-Reflection Matte NC Protection Film (ARMR220 NC), the latest advancement in protection film from 3M.

- Reduces reflection with neutral color AR
- Display grade technology protects displays against scratching and damage
- Innovative stay-clean technology keeps dirt from sticking to the edge of the film
- Easy to apply and remove



3M™ Anti-Reflection Matte NC Protection Film (ARMR220 NC)

Protection

ARMR220 NC helps improve both the durability and the readability of display screens, providing a new solution for users working on screens in a wider variety of environments. The film provides a durable hard coat barrier on the front surface of the LCD display to help protect fragile screens against scratches and damage, helping reduce repair and warranty costs.

Reflection reduction

ARMR220 NC improves your overall screen view with neutral-color anti-reflection technology. The anti-reflection and anti-glare properties reduce ambient light reflection and diffuse mirror-like reflections that can disrupt a clear view of your display.

Touch screen capability

Thin, non-conductive ARMR220 NC maintains the responsiveness of today's advanced touch panel technologies, providing an upgrade in display protection that doesn't disrupt your device operation.

Application

Residue-free adhesive technology with stay-clean edges makes ARMR220 NC easy to apply and remove on a wide variety of display screens.

3M ARMR220 NC PROTECTION FILM PRODUCT FEATURES

- Durable hard coat for display protection
- Near color-neutral anti-reflection to maintain clear image
- Anti-glare surface to reduce mirror-like reflections
- Stay-clean edges
- Low tack, easy to apply and remove adhesive
- Scotchgard™ easy-to-clean surface



Coming Soon!

NOMINAL FILM PROPERTIES

Property (Test Method)	Typical Value US Units (metric)
% Transmission	≥ 93%
Haze	≤ 3%
Clarity	≥ 75%
Reflection	≤ 1.6%
Nominal thickness (with adhesive)	6 mil
Steel wool abrasion	Light scratching, 25 g/cm ² , 10 rubs, #0000 steel wool
Pencil hardness	≥ 3H
Water contact angle (hydrophobic)	≥ 95 degrees
Hexadecane contact angle (oleophobic)	≥ 55 degrees
Heat resistance	85°C for 500 hours
Cold resistance	-40°C for 500 hours
Humidity resistance	60°C/90% RH for 500 hours
Thermal shock resistance	85°C for 1 hour to -40°C for 1 hour, 100 cycles
Chemical resistance	Bleach, MEK, IPA, acetone, window cleaner, motor oil, cola, coffee, water insoluble marker, water

Important Notice to Purchaser

The following is made in lieu of all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose. 3M warrants that, at the time of 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. 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 of or the inability to use the product. **The warranties and remedies set forth herein are purchaser's sole and exclusive warranties and remedies.**



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For more information visit our website at www.3m.com/displayprotection
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