

070

DETAILMAX[®]
DETAILERS CHOICE

SAFETY GLAZING



PRODUCT OVERVIEW

Detailmax Crystal 70 Window Film is a high-technology safety glazing solution designed to enhance driver visibility, passenger safety, and thermal comfort while complying with Indian automotive regulations.

Engineered for Indian climate conditions, the film provides optimal heat rejection, UV protection, shatter resistance, and No signal interference making it ideal for both daily and premium vehicle applications.



COMPLIANT WITH CMVR RULE 100(2)

As per the Central Motor Vehicle Rules, 1989, and Indian Standard IS: 2553 (Part 2) – 1992, front and rear windshields must maintain a minimum 70% Visible Light Transmission (VLT), and side windows must maintain at least 50% VLT.

Detailmax Crystal 70 is designed in accordance with applicable Central Motor Vehicle Rules (CMVR) for automotive glazing.

Visible Light Transmission (VLT) Compliance:

Front Windshield:	$\geq 70\%$ VLT
Rear Windshield:	$\geq 70\%$ VLT
Side Windows:	$\geq 50\%$ VLT

TESTING & STANDARDS

Detailmax Crystal 70 Safety Glazing Film is manufactured to align with:

- CMV Rule 100 (2), (3) & (3A)
- IS 2553 (Part 2) (Revision 1): 2019



Tested for optical clarity



Tested for durability and adhesion



Tested for safety glazing performance

PROTECT



PRODUCT SPECIFICATIONS

(CRYSTAL 70)

- VLT (Visible Light Transmission): ~70%
- UV Rejection: Up to 99%
- IR (Heat) Rejection: High-performance thermal control 90%
- TSER: 50%
- Warranty: 10 Years



DO'S

01. Wait at least **48 hours** before rolling down your windows to allow the film to fully cure and adhere.
02. Always clean with a soft microfiber cloth and **ammonia-free glass cleaner** to avoid damaging the film.
03. **Park in the shade** when possible to extend the life of the film and reduce stress during curing.
04. **Gently wipe off** dust or smudges — keeping the film clean helps maintain clarity and performance.

DON'TS

01. Don't wash the windows for **at least 7 days** after installation.
02. Don't use **abrasive scrubbers** or **harsh chemicals** that can scratch or degrade the film.
03. Don't apply **stickers** or **suction mounts** on the filmed surface, as this can cause the film to peel.

KEY BENEFITS

- 1. **Temperature Regulation**

Reduces cabin heat by limiting solar heat gain, improving comfort in extreme weather.

- 2. **UV Protection**

Blocks harmful UV rays, protecting interiors from fading and occupants from skin damage.

- 3. **Energy Efficiency**

Reduces AC load → Better fuel efficiency → Lower operational cost.

- 4. **Shatter Resistance**

Holds glass fragments together during impact, reducing injury risk.

- 5. **Enhanced Security**


Adds an extra protective layer, making glass harder to break.

- 6. **Glare Reduction**

Minimizes glare for safer and more comfortable driving.

- 7. **No signal interference**

Ensures smooth GPS, mobile, radio, FASTag, and Bluetooth connectivity.

The image shows the interior of a car, looking out through the driver's side window. The window is divided into two vertical sections. The left section is labeled '50% VLT' and shows a clear view of a green field and a blue sky. The right section is labeled '70% VLT' and shows the same scene but with significantly reduced visibility, appearing much darker. The car's interior, including the steering wheel, dashboard, and side mirror, is visible in the foreground.

50% VLT

70% VLT

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