

Exolon® Optica
Optically unrivalled
Polycarbonate Sheets.

„...Clearly better...“

Welcome to clarity and durability



Going beyond optical quality.

The Exolon® brand features an extensive range of premium polycarbonate sheets synonymous with consistently high quality, thanks to the use of excellent raw materials, the best quality management, and production processes certified according to DIN EN ISO 9001.



Now we have gone beyond, raising the bar in optical excellence, with our next generation Optica range of coated and uncoated polycarbonate sheets: **Exolon® Optica**, engineered for applications demanding superior visibility and robust protection, has redefined optical quality.



Optical quality at its best!

Optical quality refers to the characteristics of a material or product that determine its suitability in applications where clarity, transparency, safety and precision are crucial.

Key benefits:

Clarity and transparency:

Exolon® Optica sheets transmit light with minimal distortion, scatter and absorption. The solid polycarbonate sheets provide clear, transparent optics with no haze, inclusions or surface defects. This is important for applications where precise vision is required.

Distortion performance: the ability of the material to maintain clear and undistorted view. Quality control tests in accordance with the DIN 52305 standard are used to determine the optical distortion and the refractive power of safety glazing materials in, for example, road vehicles.

Engineered to the highest standards for visual performance, in clean room environments.



- the **Exolon® Optica** way!



Looking for high-performance solutions with crystal-clear transparency?

Look no further than our **Exolon® Optica LX** solid polycarbonate sheets. Whether it's robust applications or stringent security glazing, we've got you covered.

For a clear view and exceptional performance, opt for our uncoated **Exolon® Optica LX** sheets. These solid polycarbonate sheets are tailor-made for various lamination configurations, offering both design freedom and weight reduction. From multilayer security glazing to window applications in automotive and heavy equipment glazing, as well as visors and museum exhibit casing, the possibilities are endless.

Enhance

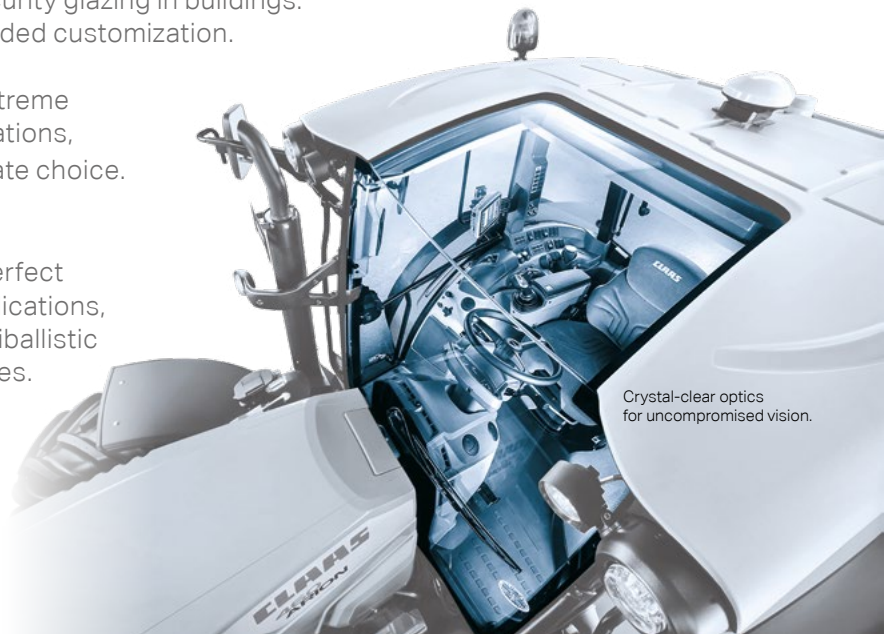
your laminated safety glass with
uncoated brilliance: **versatile and
uncompromising**

Advanced performance needed?

Exolon® Optica sheets unlock advanced performance with one-side abrasion resistance, featuring superior optical properties and unrivaled low distortion levels. With premium impact resistance and abrasion resistance, they're ideal for forestry and agricultural vehicles and armored vehicles as well as for security glazing in buildings. Plus, they can be screen-printed for added customization.

For heavy-duty lamination requiring extreme durability for high spec security applications, **Exolon® Optica AR** sheets are the ultimate choice.

For curved windows in vehicles, **Exolon® Optica AR-LX** sheets are the perfect anti-spall layer for security glazing applications, including bullet-resistant glass and antiballistic glazing for military, police, or VIP vehicles.



Crystal-clear optics
for uncompromised vision.

Adding value

Want to print or laminate sheets?
Combine them with glass?
What about bullet-resistant security glazing?

Simply get in touch with us!

Optical Quality (Defects)	Max 1 ≥ 0,20 mm None > 0,30 mm	Max 10 ≥ 0,25 mm None > 1,00 mm			Optica LX500 8-12 mm	Optica LX500 5-6 mm	Optica LX500 2-4 mm
	Max 1 ≥ 0,20 mm None > 0,30 mm	Max 10 ≥ 0,25 mm None > 1,50 mm	Vista QX7 Exolon AR ARS, AR FO	Vista QX90 3-8 mm			
	Max 1 ≥ 0,20 mm None > 1,00 mm	Not measured	Exolon Q26				
	Max 12 ≥ 0,20 mm None > 1,00 mm	Not measured	Exolon GP				
		DIN 52305 @ 60° / 45°	Not measured	Diopter ≤ 0,06	Diopter ≤ 0,03	Diopter ≤ 0,02	Diopter ≤ 0,01
Inclusions / particles*		Transparent defects*		Optical Quality (Distortion)			

* Point shaped defects

Experience the difference

Advantages

- Premium optical quality
- Very low distortion
- Highly transparent
- Extremely impact-resistant
- Excellent resistance against abrasion
- Spall-protection

Stay secure and see clearly with our high-quality coated and uncoated sheets, offering an unmatched panoramic view without compromising on safety. Experience the difference with **Exolon®** **Optica LX and AR-LX** sheets - a crystal-clear choice for all your lamination needs.

Where clarity, durability
and protection are non-negotiable.
Exolon® Optica



Advice and delivery by:	
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