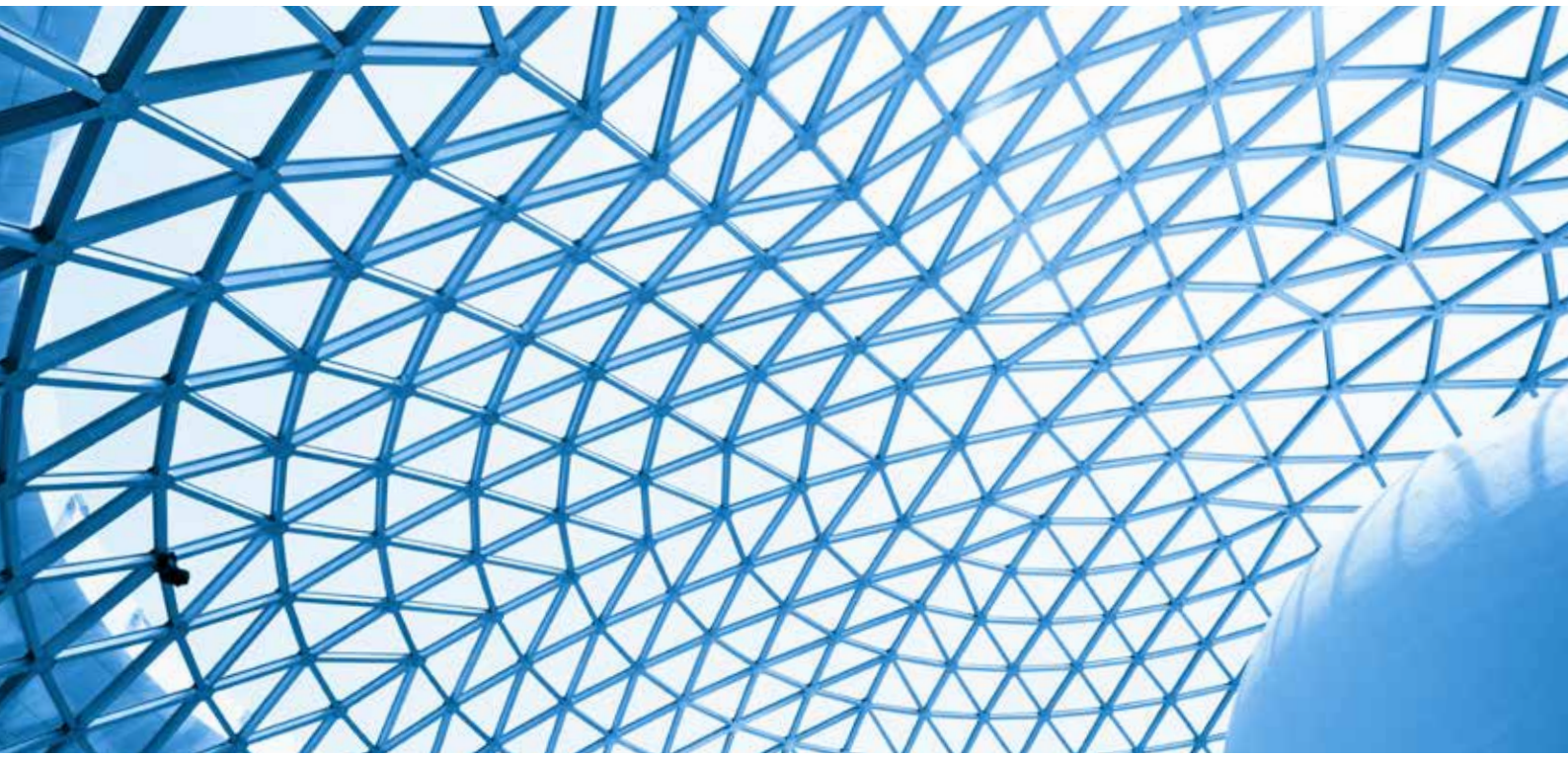
exolon GROUP



Exolon® Solid Sheet.

More than just material.

exolon®

LEADERSHIP IN THERMOPLASTIC SHEETS.

STRONG, CLEAR, FLEXIBLE.

GOING BEYOND

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Shanghai Expo 2010, German Pavilion
„Floating Flakes", three-dimensionally formed solid sheets
Photo: © Ausstellung Milla & Partner, Architecture Schmidhuber + Kaindl



GOING BEYOND.

BEYOND STANDARDS.

We know the standards, strive for the best – and make it happen. Whether in mechatronics, architecture, trade fairs, or shopfitting, the Exolon Group offers plastic sheet solutions for virtually limitless applications.

Exolon® polycarbonate solid sheets – discover the potential of an extraordinary plastic.





INSPIRED BRILLIANCE.

THE EXOLON GROUP.

A SUCCESSFUL PRODUCT DOESN'T JUST HAPPEN

The Exolon Group brings together decades of experience and technical insight in the development, production, and marketing of high-quality polycarbonate sheets.

Under the **Exolon®** brand, customers receive environmentally friendly, intelligent, and lasting sheet material solutions of the highest quality and certified to EN ISO 9001.

Our product portfolio includes transparent and translucent solid and multiwall polycarbonate sheets branded **Exolon®**, **Axpet®** polyester sheets, **Vivak®**, **Curvalite®** and **Inspria®** copolyester sheets, as well as opaque materials under the **Exolon® GP B** and **Vivak® GP B** brands.

Our core strength is our expertise in sheet extrusion. This foundation is built on the careful selection and combination of raw materials, the continuous optimisation of production processes, investment in employee development, and the promotion of innovative technologies.

Yet, what makes us truly stand out goes beyond technology: a flexible product range, clear communication, and direct customer dialogue make the Exolon Group a trusted partner for trade and industry alike.

ALL THAT MATTERS.

OUR EXOLON® PRODUCTS.

PERFORMANCE IN ITS CLEAREST FORM

Exolon® stands for a wide portfolio of high-tech quality polycarbonate solid sheets featuring compelling product characteristics. Whether highly transparent or textured, these sheets meet relevant fire classifications* and are easy to process – whether drilling, sawing, milling, or thermoforming. From molecules to materials: **Exolon®** channels the potential of polymers into real applications.

* Depending on sheet thickness, colour, and application, **Exolon®** sheets meet the requirements of various national fire classifications.

- EXTREMELY IMPACT-RESISTANT
- HEAT-RESISTANT
- RECYCLABLE & SUSTAINABLE
- OPTICAL GRADE
- SAFE
- CHEMICAL-RESISTANT
- BRILLIANTLY TRANSPARENT
- FLAME-RETARDANT
- UV-STABILISED & WEATHER-RESISTANT
- HARD-COATED
- SCRATCH-RESISTANT
- HEAT-REDUCING



DISCOVER YOUR OPTIONS – EXOLON® POLYCARBONATE SOLID SHEETS OVERVIEW

Type	Product	Available colours	Properties
STANDARD TYPES	**Exolon® GP**	• clear transparent • white translucent	• standard type
	Exolon® NR	• clear transparent	• non-reflective
	Exolon® FR	• clear transparent	• flame-retardant
UV PROTECTION	**Exolon® UV**	• clear transparent • white translucent • bronze transparent • grey transparent	• UV-protected • 10-year warranty
OPTICAL QUALITY	**Exolon® Vista QX****	• clear transparent	• optical quality
	Exolon® Optica**	• clear transparent	• optical quality
HARD-COATED	**Exolon® AR****	• clear transparent • bronze transparent	• abrasion-resistant • UV-protected
	Exolon® AR5**	• clear transparent	• abrasion-resistant
	Exolon® AR FO**	• clear transparent	• formable • abrasion-resistant
SUSTAINABLE	**Exolon® GP EcoPlus****	• clear transparent	• bio-circular quality
	Exolon® rECO**	• clear transparent	• pre-consumer quality
INDUSTRY	**Exolon® WS**	• green • bronze • red	• certified according to DIN EN ISO 25980:2014 (prev. DIN 1598)
SPECIALS	**Exolon® UV CC****	• green transparent • clear transparent	• less heat transference
	Exolon® SilentSound**	• clear transparent	• UV-resistant • sound-absorbing • abrasion-resistant
LED	**Exolon® DX****	• white diffuse	• LED lighting
	Exolon® SX Sharp**	• clear transparent	• LED lighting/shaping
	Exolon® UV AdLight**	• white diffuse	• LED lighting

** Products have separate documentation. Please ask.

CLEAR VISION. STRONG PROTECTION.

Discover our Allrounders:

- **Exolon® GP**
  Universal
- **Exolon® NR**
  Anti-Reflective
- **Exolon® Optica**
  Optically Brilliant
- **Exolon® AR FO**
  Abrasion-Resistant and Formable

THE SOLID SHEET SOLUTION FOR DEMANDING CLARITY

Exolon® stands for premium optical quality, outstanding transparency, and reliable impact strength – even for complex shapes. Our polycarbonate solid sheets offer consistent material purity, ideal for applications where clarity and protection are key.

Thanks to their high design flexibility, even the most complex shapes and demanding safety requirements can be implemented with ease.

Their excellent workability makes them the material of choice for curved vehicle windows, safety glazing for agricultural machinery cabins, ballistic protection for police, military and VIP vehicles, and clear control panels in appliances ranging from washing machines to freezers.









Photo: © Guillaume Fischer _ SP80

A MATERIAL THAT PROTECTS WHAT MATTERS WHILE ALWAYS MAINTAINING PERSPECTIVE.



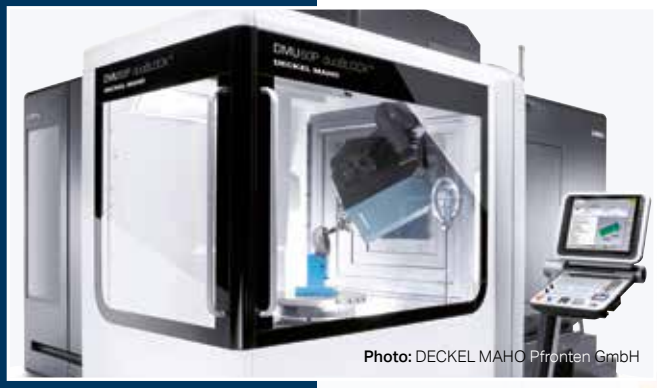

Photo: DECKEL MAHO Pfronten GmbH

BECAUSE POWERFUL TECHNOLOGY DESERVES A STRONG MATERIAL.



HIGH-TECH FOR PEAK PERFORMANCE.

MAXIMUM SAFETY. UNBEATABLE ADVANTAGES

Exolon® polycarbonate solid sheets stand for high impact resistance, scratch resistance, and durability, even under demanding industrial conditions.

Our toughest product meets the C3 classification per DIN EN ISO 23125, fulfilling the highest break resistance requirements for industrial manufacturing.

With its durability and ease of processing, **Exolon®** is ideal for mechatronics and mechanical engineering – whether used as protective housing, functional covers, or transparent inspection windows.

Our Industrial Heroes:

- **Exolon® AR**
  Abrasion-Resistant
- **Exolon® FR**
  Flame-Retardant
- **Exolon® WS**
  Welding Shield



A CLEAR MATERIAL FOR BOLD IDEAS.

Our Options Inspire:

- **Exolon® UV**
  Weather-Resistant
- **Exolon® DX**
  Diffuser

FOR MEMORABLE MOMENTS

Light-transmitting, dimensionally stable and easy to process – **Exolon®** delivers exactly the material properties that allow creative minds to work freely. Its premium look and technical reliability make the polycarbonate sheet the go-to choice for demanding design projects.

Whether as a projection surface, for lighting installations, displays, or shop-fitting, or for light-filled concepts in roofing or interior design – **Exolon®** opens up new creative horizons for architects, exhibition builders, and designers.







Photo: © ICD/ITKE/IntCDC University of Stuttgart, Rob Faulkner

MAKE AN IMPACT WITH A MATERIAL THAT ADAPTS – IN SHAPE, FUNCTION AND EXPRESSION.

SUSTAINABILITY AS AN ENDURING DRIVING FORCE.

A LASTING COMMITMENT.

Discover our Sustainable Products*:

- **Exolon®**
  GP ECOplus
  Circular
- **Exolon®**
  GP rECO
  Pre-Consumer

* Our sustainable products are partially made from recycled materials.

SUSTAINABLE SAFETY

Sustainable thinking has been integral to our processes and strategic considerations since the beginning. We have firmly established and efficient processes for collecting and reintroducing recyclate, thus minimising the amount of waste which accrues at our production sites.

We also place great value on manufacturing products with long service lives. Our polycarbonate sheets are high-tech products that exhibit outstanding resistance to ageing and weathering, ensuring you will not need to replace them prematurely.

At the end of their lifecycle, these materials can be cleanly separated and either recycled or used for energy recovery.

RELIABLY CERTIFIED

Our facilities in Tielt (BE) and Nera Montoro (IT) are certified according to ISO 14001 (Environmental Management System). Under this standard, the environmental impact of the production process is systematically recorded and analysed, and negative effects are continually reduced via specific measures.

Our company is ISCC PLUS-certified. This certification enables complete traceability of recycled materials along the entire supply chain. Because every company within the supply chain must be certified, material cycles are fully verifiable and offer maximum transparency and reliability.

Additionally, we apply primary recycling processes, collecting offcuts of our materials for reprocessing, regranulation, and reuse.

THE EXOLON GROUP – CLOSING THE (PLASTICS) LOOP

With our "Closing the Loop" initiative, we are sending a clear signal about sustainable business practices: Together with distributors, processors, and recycling companies, we work to systematically reclaim production waste and offcuts from downstream processing.

The recovered material flows into our **ECORANGE** product line – reprocessed to high standards and with reliable quality you expect from us.

Every new partner in this loop helps to conserve resources and keep materials in circulation.



WHAT IS THE ENVIRONMENTAL IMPACT OF THE PRODUCTS I PURCHASE?

For all polycarbonate and polyester sheets in our portfolio, we offer Environmental Product Declarations (EPDs). These declarations provide detailed information about the specific environmental impact of a product and are based on data collected through lifecycle analyses.

STRONG, SAFE, RELIABLE.

EXOLON®
SOLID SHEET.



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