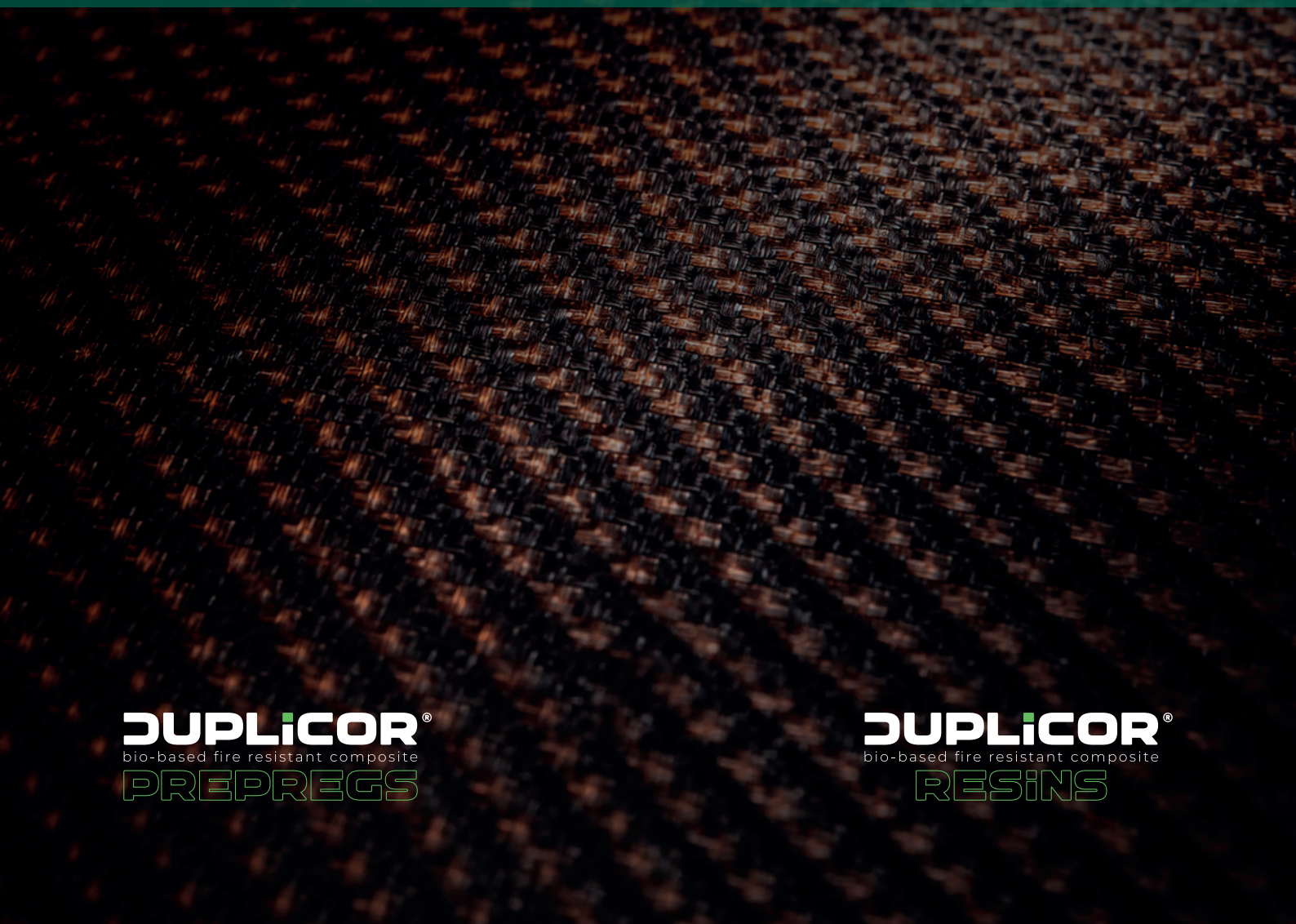
2026 EDITION

Duplicor®
Prepregs & resins

Bio-based. Fire-retardant. Engineered for performance.



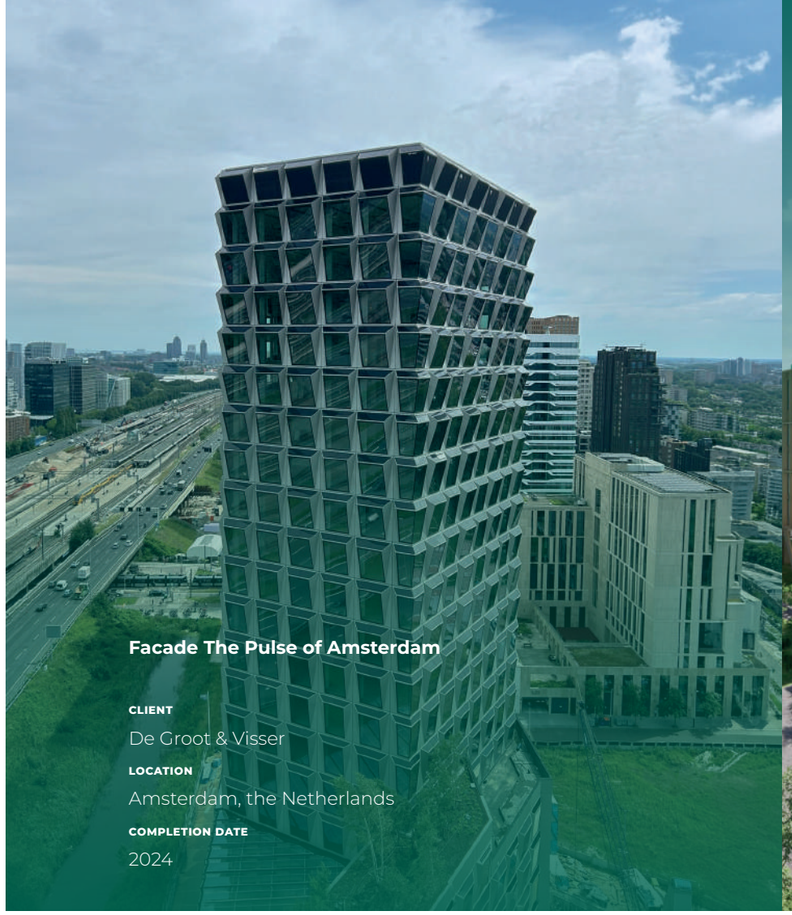
The new standard in sustainable composites

Duplicor® prepregs & resins redefine what's possible with composite materials. Developed and produced by Holland Composites in the Netherlands, Duplicor® combines cutting-edge composite performance with a fully bio-based, fire-retardant resin system.

Duplicor® enables manufacturers, engineers and fabricators to switch to sustainable production without compromising on performance, quality or process flexibility. From façade systems and building components to marine, rail and industrial applications – Duplicor® delivers consistent quality, lightweight strength and certified fire safety (B S1 D0 according to EN 13501).

Our unique bio-based resin formulation is derived from renewable natural resources, ensuring minimal environmental impact while maintaining outstanding thermal and mechanical stability.





Facade The Pulse of Amsterdam

CLIENT
De Groot & Visser
LOCATION
Amsterdam, the Netherlands
COMPLETION DATE
2024

Optop and renovation ABN-AMRO bank

CLIENT
BAM / ABN AMRO
LOCATION
Amsterdam, the Netherlands
COMPLETION DATE
2026



30+ years of composite innovation

Since 1992, Holland Composites B.V. has been designing and manufacturing advanced composite solutions for high-end applications worldwide. From lightweight architectural façades to maritime structures and modular building systems, our strength lies in technical creativity and flawless execution.

We believe in smart engineering, honest craftsmanship and practical innovation. Our work combines precision manufacturing with a relentless drive to make composites better, cleaner and more sustainable.

Founded in 1992

In-house composite production facilities
Clients in architecture, marine, rail, and renewable energy and based in Lelystad, The Netherlands



A bio-based breakthrough in prepreg technology

Duplicor® prepregs use a proprietary, bio-based resin system derived from renewable resources. The resin contains no harmful additives and provides fire retardancy classified as B S1 D0 (EN 13501).

This innovative chemistry ensures excellent mechanical performance, durability and process stability, while reducing CO_2 emissions compared to conventional epoxy systems.

Flexible processing
Duplicor® prepregs cure in multiple ways: oven, autoclave or press moulding. Choose MTM (medium temperature manufacturing) 100–140°C or LTM (low temperature manufacturing) 70–90°C.

Outstanding surface quality
High tack allows easy in-mould repositioning and excellent surface finish, especially when combined with PTFE-coated moulds.
Key data table:

Why choose Duplicor® prepregs?

- Bio-based resin system derived from renewable sources
- Certified fire retardancy (B S1 D0 – EN 13501)
- Fast and flexible curing: 4 minutes @ 140°C or to 10 hours @ 70°C depending on type.
- Versatile processing: oven curing, autoclave or press moulding
- High tack for easy in-mould repositioning
- In-house production ensures short lead times and reliable supply
- Outstanding mechanical properties comparable to high-end synthetic prepregs

Technical highlights

Item	Description
Curing temperature	MTM: 100–140°C LTM : 70–90°C
Outlife	MTM minimum 2 weeks @ 21°C LTM minimum 4 days @ 21°C
Storage	-6°C ≈100 days, -18°C ≈200 days
Resin conten	typically 35%
Fire classification	B S1 D0
Bio-based resin formulation	100% biobased



Duplicor® prepregs portfolio

Standard Duplicor® prepreg portfolio

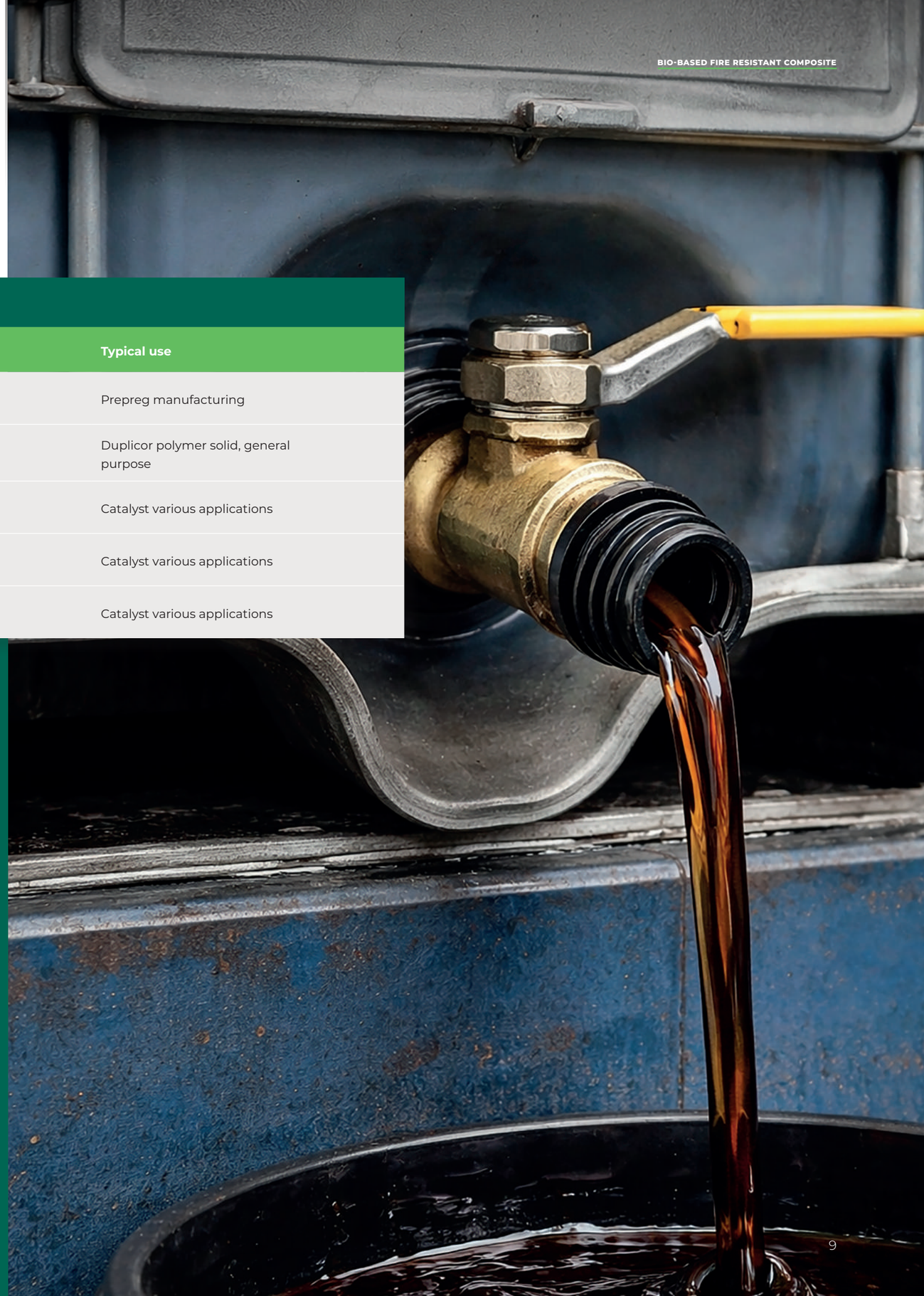
Product name	Description of type	Fiber orientation	Fiber areal weight (gsm)	Resin content by weight	Fire classification NEN EN 13501	Width	Typical use
DUPLICOR-preg-Q1600-MTM-FR-RC35%	Quadraxial E glass	45+45-90-0	1600	33	BS1D0	1270 mm	Structural panels, building applications, marine bulkheads
DUPLICOR-preg-Q1200-MTM-FR-RC35%	Quadraxial E glass	45+45-90-0	1200	33	BS1D0	1270 mm	Structural panels, building applications, marine bulkheads
DUPLICOR-preg-BDE810-MTM-FR-RC35%	Bi directional E glass stiched	0/90	810	35	BS1D0	1270 mm	Structural panels, mouldings
DUPLICOR-preg-BIAX810-MTM-FR-RC35%	Bi directional 45+45- E glass stiched	45+45-	810	35	BS1D0	1270 mm	Structural panels, mouldings
Duplicor-preg-UD810-MTM-FR-33%	Uni directional 810 gsm E glass	0	810	33	BS1D0	1270 mm	Stiffening layers
DUPLICOR-preg-WRE 290 twill-MTM-FR-RC35%	Woven roving E glass 2/2 twill	0/90	290	35	BS1D0	1270 mm	Surface layer, structural panels, mouldings
DUPLICOR-preg-CSM 300 Q1200 -MTM-FR-RC35%	CSM 300 + Quadraxial E glass	Random/ 45+45-0-90	1500	38	BS1D0	1270 mm	Bulk laminates
DUPLICOR-preg-WRE 290/Q1200-MTM-FR-RC35%	Woven roving + Quadraxial E glass	0/90/ 45+45-90-0	1490	35	BS1D0	1270 mm	Structural panels, building applications, marine bulkheads
DUPLICOR-preg-WRE 290 twill-MTM-XFR-RC35%	Woven roving E glass 2/2 twill Higher fire retardant	0/90	290	35	BS1D0 / FTP code part 10*	1270 mm	Surface layer, structural panels, mouldings extra fire retardancy for high speed vessels
DUPLICOR-preg-BIAX810-MTM-FRX-RC35%	Bi directional 45+45- E glass stiched Higher fire retardant	45+45-	810	33	BS1D0 / FTP code part 10*	1270 mm	Surface layer, structural panels, mouldings extra fire retardancy For high speed vessels

NOTES
All prepreg types are also available in LTM version (Low temperature manufacturing). Other reinforcement types like carbon/aramid/basalt/natural fibres are available on request. All surface areal fiber weight prepregs from 100 gs - 2000 gsm available on request.

* fire testing for FTP code part 10 in development

Duplicor® resins portfolio

Standard Duplicor® resins portfolio				
Product name	**Description of type**	**Viscosity**	**Package**	**Typical use**
DUPLICOR- resin HV	Prepreg resin	50.000-80.000 Cps	1000 kg IBC	Prepreg manufacturing
DUPLICOR- resin LV	General resin	< 5.000 Cps	250 kg Drums 1000 kg IBC	Duplicor polymer solid, general purpose
Duplicor part A, low reactivity catalyst	Low reactivity catalyst	50 Cps	10 kg cans	Catalyst various applications
Duplicor part B, medium reactivity catalyst	Medium reactivity catalyst	50 CPs	10 kg cans	Catalyst various applications
Duplicor part C, high reactivity catalyst	High reactivity catalyst	50 Cps	10 kg cans	Catalyst various applications





Designed for industrial performance

Duplicor® prepregs are engineered for reliability and repeatability in industrial composite production. The resin formulation provides stable viscosity and excellent fibre wet-out, ensuring consistent laminate quality and high mechanical strength.

Processing flexibility

- Oven, autoclave or press moulding compatible
- Vacuum pressure > -0.8 bar recommended
- Curing ramp rate: 0.4–1°C per minute
- Compatible with all common fiber reinforcements: glass fibre/carbon/aramid/basalt/ natural fibres

Health & Safetyy

Always handle Duplicor® prepregs with nitrile gloves and follow the safety guidelines described in our SDS. Clean contaminated skin with soap and water or approved cleaning agents.

Engineered for every industry that demands performance and sustainability

Duplicor® prepregs are developed for industries where safety, durability and sustainability are non-negotiable. Our bio-based, fire-retardant technology offers high mechanical strength with minimal environmental impact, making it the ideal choice for manufacturers who want to lead in both innovation and responsibility.

Building & Construction

Duplicor® meets the toughest building standards while offering freedom in design. Lightweight panels, façade systems and roof elements can now be produced with certified fire safety (B S1 D0) and excellent dimensional stability. Perfect for architects and contractors who want to combine aesthetics with sustainability.



The Pulse, Amsterdam, The Netherlands

Marine & Offshore &

In the marine world, every kilogram counts. Duplicor® delivers high stiffness-to-weight ratios and outstanding resistance to moisture and chemicals. Ideal for interior components, superstructures and offshore housings where corrosion resistance and safety are essential.





Rail & Transportation

Duplicor® prepregs meet stringent fire and smoke requirements, making them suitable for interior panels, seating structures and exterior claddings in rail vehicles. The lightweight nature of the material contributes to lower energy use and easier maintenance.

Industrial & General Applications

From machinery housings to modular enclosures and advanced energy systems - Duplicor® combines structural strength with design flexibility. It processes easily in existing moulding setups and enables clean, repeatable production with minimal waste.





“Whether it’s a building façade, a ship interior or a train component. Duplicor® prepregs deliver performance you can trust and sustainability you can prove.”

Holland Composites
Proven expertise since 1992

Holland Composites B.V. is a Dutch pioneer in advanced composite engineering and production. Founded in 1992, we have built a solid reputation for turning ambitious ideas into reliable, high-quality composite structures.

Our experience covers a wide range of markets, from architecture and renewable energy to marine, rail and industrial construction. Over the years we have completed countless technically complex projects, always focusing on precision, durability and smart production.

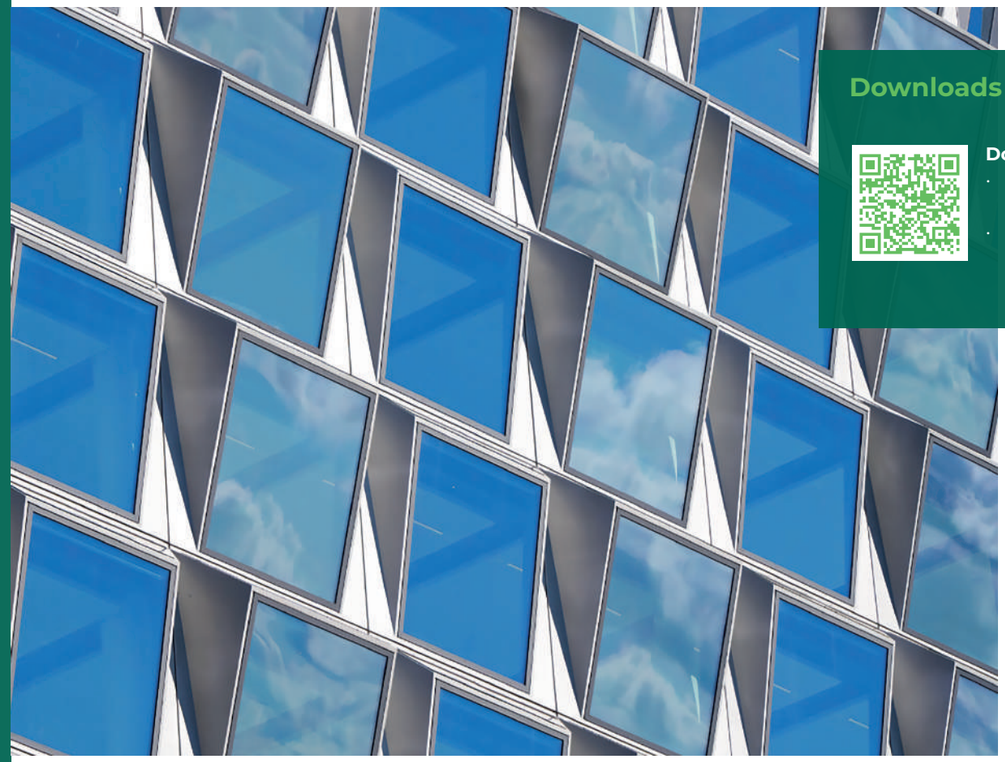
Duplicor® prepregs are the result of this long-standing expertise. Produced entirely in-house at our facility in Lelystad, The Netherlands, they reflect our philosophy: innovation through practical engineering. With our own prepreg line we control every variable, resin formulation, fibre selection, curing cycle and quality control, ensuring consistent results and fast, flexible delivery.

We may not wear suits or ties, but we take engineering seriously. Straightforward communication, solid craftsmanship and proven performance are what our customers rely on. When you choose Duplicor®, you work directly with the people who make it.

Full transparency,
full support

We believe that the best results come from collaboration and clarity. That's why Duplicor® technical and safety documentation is always available.

Both documents are frequently updated. Always make sure to use the latest version. For tailored advice, sample requests or production partnerships, contact our technical team. We'll help you define the optimal prepreg for your application.



Downloads

Download:
- Safety Datasheet
- Technical Datasheet

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DUPLICOR®