YOUR VISION.
OUR BRANDS.
ENDLESS POSSIBILITIES.

3A COMPOSITES

IN SEARCH OF THE RIGHT **SOLUTION** FOR YOUR APPLICATION?

Every application has its own requirements – which makes it even more important to find a solution that reliably meets those requirements. Whether it is eye-catching brand presentation, durable signage, high-quality printed images, or functional components for trade fair and retail construction, the decisive factor is the interaction between material, processing, and field of use.

This is exactly where we come in. In addition to a wide range of sheet materials, we offer application-specific solutions with clear recommendations based on requirements such as weight, stability, surface quality, weather resistance, and ease of processing.

This brochure helps you to quickly compare options, make confident decisions and find the right setup for your project.

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WELCOME TO **3A COMPOSITES** DISPLAY EUROPE!

In this brochure, we would like to provide you with an initial, general overview of our extensive product range. Please note that in some cases, versions of featured products may not be available in all specified colours and thicknesses and that certain processing options may not apply to all product versions. Please refer to the appropriate individual product brochures and delivery programmes for detailed information and product availability. We are, of course, happy to provide you with more comprehensive processing instructions for each product. Please contact your customer service representative or use the contact form on our website: www.display.3AComposites.com. We are happy to offer advice!

3A Composites Display Europe, an international business area of the 3A Composites Group and part of Schweiter Technologies AG, is the leading manufacturer of sheet materials for the field of visual communication.

Our Display market segment comprises all products used in digital and screen printing, exhibition stand building, shop design and shop window decoration, interior design, photo mounting, for signage, POS/POP displays and furniture construction and many more.

The broad product range, which includes DIBOND® aluminium composite panels, FOREX® and FOAMALITE® rigid foam plastic sheets, SINTREX®, KAPA®, FOAM-X®, SMART-X® and GATORFOAM® lightweight foamboards, DISPA® and SWEDBOARD® paperboards, LUMEX® and HIPEX® PET sheets as well as PERSPEX®, CRYLUX®, CRYLON®, AKRYLON® and PERSPEX® XT acrylic glass sheets and IMPEX® polycarbonate sheets, means we can offer our customers a variety of unique and optimally coordinated products – everything from one and the same source!

Our branded products are available at short notice in over 80 countries, thanks to a global production and distribution network. This network is based on our partnership with leading distributors in the paper, plastics and metal business sectors who offer not only competent advice but also services tailored to meet the individual needs of our customers.

We attach great importance to sustainable manufacturing processes and environmentally friendly materials. Our goal is to deliver high-quality, innovative products to our customers' specifications quickly.

Read more about our commitment to sustainability starting on page 8.

SUSTAINABILITY

Sustainability is at the core of everything we do. We have summarised our commitment to sustainability in our corporate **MISSION: TOGETHER. RESPONSIBLE.** As we also apply and comply with this mission in regard to our products, we have created a classif-ication system for them.

The five categories in our **FIVE-DOT-MISSION** system indicate factors with a significant impact on sustainability.

Our intention is to offer our partners guidance with their purchasing decision-making and to provide a transparent system. A system which focuses on the use of materials, the carbon footprint, the product life cycle and recycling, a topic of particular relevance for our products.

Our **FIVE-DOT-MISSION** makes an assessment of a product on the basis of the five categories and awards points per category, the product is then assigned to one of the five coloured DOTs. By this means we achieve a transparent, quick valuation logic which we can also use to gauge product innovation and improvement at 3A Composites.

THE FIVE-DOT CATEGORIES ARE:

1. BIOBASED CONTENT

Depending on the product, different raw materials are used to manufacture our panels. In this case, we look at the percentage of renewable raw materials used in our products. Our aim is to increase the percentage whenever possible and appropriate.

2. RECYCLED CONTENT

The industry selects raw materials obtained by means of recycling processes which can be used in the manufacture of new products. At the same time, it is essential to ensure requirements such as fire ratings, processing, functionality and appearance are retained. We work continuously to extend our network of recycling companies and to increase the material recycling rates. This category is where we gauge the proportion of high quality recycled raw material in our products' total material input.

3. CO_2 FOOTPRINT

In this category we monitor the kg CO_2 eq/kg per product which is released into the environment during product manufacture (cradle-to-gate) according to EN 15804+A2 (A1-A3). Using the Helix calculation program from Ecochain Technologies B.V. as well as the latest available LCA datasets from Ecoinvent or similar databases, we measure the carbon footprint of our products in accordance with ISO 14040 und 14044 for the Life Cycle Analysis (LCA). Information regarding the carbon footprint of a specific product respectively a Life Cycle Assessment (LCA) document is available on request.

mission
TOGETHER. RESPONSIBLE.

4. PRODUCT LIFE CYCLE

The plastic sheets and composite panels we produce are used by our customers for a longer period of time. In contrast to products used in the short term, these longer-term alternatives make an active contribution to saving resources. In this category we show our panels' average service life. Life cycles can range from approximately 1 year to more than 30 years depending on the different materials.

5. RECYCLABILITY

One of the most important aspects of sustainability is contributing to environmental protection by cutting down use of valuable raw materials, conserving resources and avoiding waste. Unlike the second category "recycled content", in this assessment category, we show options for recycling the panels after they have been in use. There are already, for instance, established recycling loops for various paper types and metals. At some production sites, the material can already be returned, so that material for new products can be created. As a company, we came to the conclusion that thermal recycling as a means of energy capture does not seem sustainable enough, so it is not included in our FIVE-DOT classification. Instead, we are actively working with partner companies to establish sustainable and future-oriented recycling solutions for closed-loop recycling management.

As many as 3 points can be achieved in each of the categories presented, totalling a maximum of 15 points. According to the total number of points achieved (1-15), the FIVE-DOT classification is conducted using the following colour gradation.

1 – 4 | 5 – 6 | 7 – 8 | 9 – 10 | 11 – 15

Transparency is important to us! We will review the product assessment annually to see in which areas the product can be improved. We have set ourselves the goal of achieving 80% of our sales with products which achieve a rating of ≥ 7 points in the FIVE-DOT classification by 2028.

JOIN US ON OUR SUSTAINABLE MISSION!

As part of our sustainability commitment, we have already developed a range of sustainable products – please contact us, we will be happy to inform you about our current "RE range" and the available sustainable material options.

Photographer: Kewlox

Designer / Fabricator: Studio David Thulstrup ApS
Photographer: Christian Lønsing

Fabricator: Inplus Fabrications Ltd

VIBRANT COLOURS PAIRED WITH ADAPTABILITY.

- Made in Europe
- Wide range of colour and texture options
- Diverse range of applications
- Various sheet thicknesses and formats

As one of the largest manufacturers of acrylic sheets in Europe, our five strong brands, PERSPEX®, CRYLUX®, CRYLON®, AKRYLON® and PERSPEX® XT, comprise a wide range of cast and extruded acrylic sheets with numerous colour and texture options. Our three European production locations enable us to offer an extensive selection of sheet thicknesses and formats, suitable for a wide variety of applications. Furthermore, colours can be combined according to customer preferences, with new shades created in the in-house colour laboratory to achieve unique and creative designs.

THE ORIGINAL BRANDS

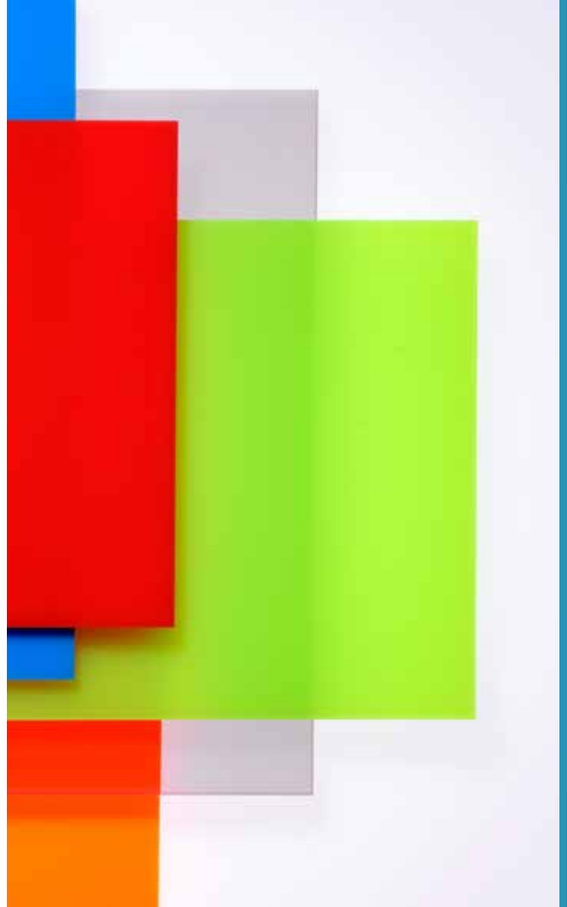
PERSPEX®

CRYLUX®

CRYLON®

AKRYLON®

PERSPEX® XT



HIGH RIGIDITY COMBINED WITH A WIDE RANGE OF SURFACE OPTIONS.

- Made in Germany
- Numerous decorative surfaces
- Customised surface options
- HYLITE® with a unique hinge function

As inventor of the first aluminium composite sheets, we can look back on more than half a century of experience, and we are the leading European manufacturer of this material. DIBOND® is the original aluminium composite sheet for the visual communication sector. We offer a wide range of decorative surfaces, stand for consistent high quality and we even offer customers the opportunity to create individual, bespoke decors with DIBOND®design. By developing HYLITE®, we have created the world's thinnest composite panel with an added feature: a unique hinge function.

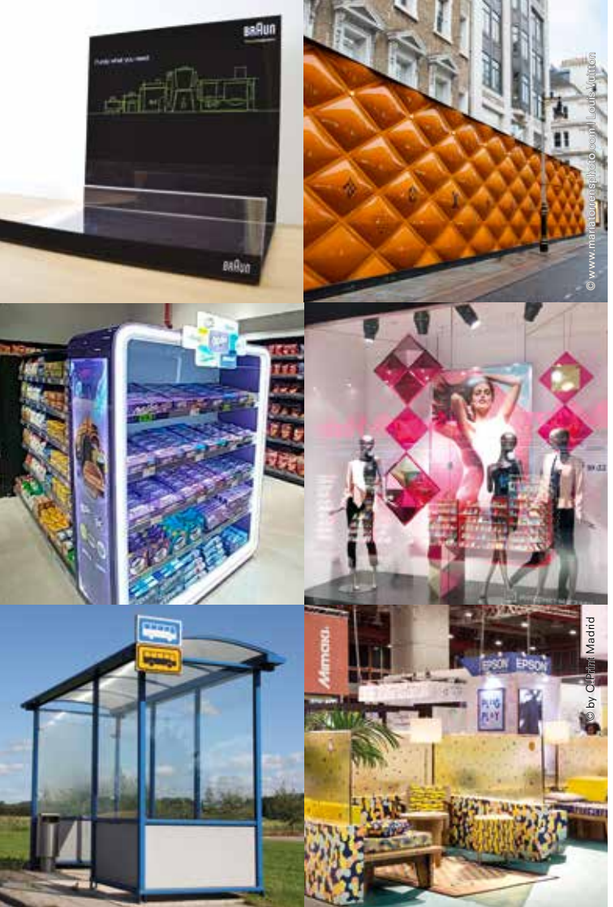
THE ORIGINAL BRANDS

DIBOND®

DILITE®

HYLITE®

KAPA tech



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IMPACT STRENGTH COMBINED WITH FORMABILITY.

- Very high impact strength
- Easy to shape
- Difficult to ignite
- Very good printability

Our LUMEX® and HIPEX® brands offer a wide selection of transparent and translucent A-PET and PET-G thermoplastic polyester sheets. These sheets are classified as 'difficult-to-ignite', provide very high impact strength, easy formability, excellent printability and good resistance to chemicals. In addition, the UV protected version offers good resistance to weathering.

THE ORIGINAL BRANDS

LUMEX® A

LUMEX® G

HIPEX® A

HIPEX® G

POLYESTER SHEETS (PET)

© Customer: Henko sushi restaurant, Prato
© Isopad S.p.a. – Sogimi S.p.A.

© Fabricator: Liedtke K | Photography: Lisanne Vreeke

© Concept and production: dfrost GmbH&Co. KG
www.dfrost.de

DURABLE, VERSATILE AND STABLE.

- Lightweight
- Rigid and durable
- Bright white surfaces
- Recyclable

As the leading supplier of expanded rigid PVC sheets in Europe, known for our FOREX® and FOAMALITE® brands, our materials have been favoured by sign makers, printers, and designers for a wide range of applications for decades. These applications include among others exhibition stand construction or advertising and presentation purposes. Our FOREX® and FOAMALITE® sheet materials' popularity is due to their low weight, high rigidity, durability, bright white surfaces, easy processing, choice of vibrant colours and good recyclability.

THE ORIGINAL BRANDS

FOREX®

FOAMALITE®

PVC - FOAM SHEETS

HIGH IMPACT RESISTANCE, VIRTUALLY UNBREAKABLE AND FIREPROOF.

- Excellent impact strength
- Extremely high breaking strength
- Very good fire classification
- Solid and multiwall sheets

As one of the leading manufacturers of polycarbonate sheets in Europe, we offer a wide range of products with excellent impact strength, very high resistance to breaking and a very good fire classification. Our polycarbonate sheets are suitable for demanding applications such as protective glazing, machine covers, neon signs and construction purposes. We offer both solid and multi-wall sheets. Our own in-house coating facility for solid panels enables us to apply an abrasion-resistant coating to make the sheets more scratch-resistant and more resistant to chemicals and solvents.

THE ORIGINAL BRANDS

IMPEX®

IMPEX® MULTIWALL

Kunde: HANA TO M... Agentur: Atoy

SUSTAINABLE THROUGH AND THROUGH.

- Use of FSC®-certified paper: DISPA® – FSC® C127595, SWEDBOARD® Fibre and SWEDBOARD® Solid – FSC® C147499
- Fully recyclable
- Excellent printability
- 3D formable for an endless range of applications

DISPA® and SWEDBOARD® are two of our high-quality, eco-friendly, FSC®-certified paperboards. They are characterized by their excellent printability, rigidity and flatness, making them ideal for 3D designs, e.g. for POS/POP displays. DISPA® and SWEDBOARD® boards are fully recyclable and can be returned to the material cycle as well as fed back into the production of new material. They can also be disposed of in the paper recycling bin.

THE ORIGINAL BRANDS

DISPA®

SWEDBOARD® FIBRE

SWEDBOARD® SOLID

Look out for our FSC®-certified products – DISPA® (FSC® C127595) and SWEDBOARD® Fibre (FSC® C147499).

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VERSATILE, FLEXIBLE AND AESTHETIC.

- Various types of lightweight foamboards
- High stability
- Excellent flatness
- Low weight

Our range includes various types of lightweight panels with high stability, low weight, excellent flatness, and easy processing. For KAPA® and FOAM-X®, we already mainly use FSC®-certified (FSC® C127595) papers. SMART-X® is a single-material lightweight panel suitable for outdoor use for up to two years, while SINTREX® is a pure PET composite that is particularly recyclable. Thanks to an innovative manufacturing technology, our panels offer excellent printability, good fire performance, and versatile applications – from advertising, presentations, signs, displays, model making, constructing exhibition stands and laminating.

THE ORIGINAL BRANDS

SMART-X®

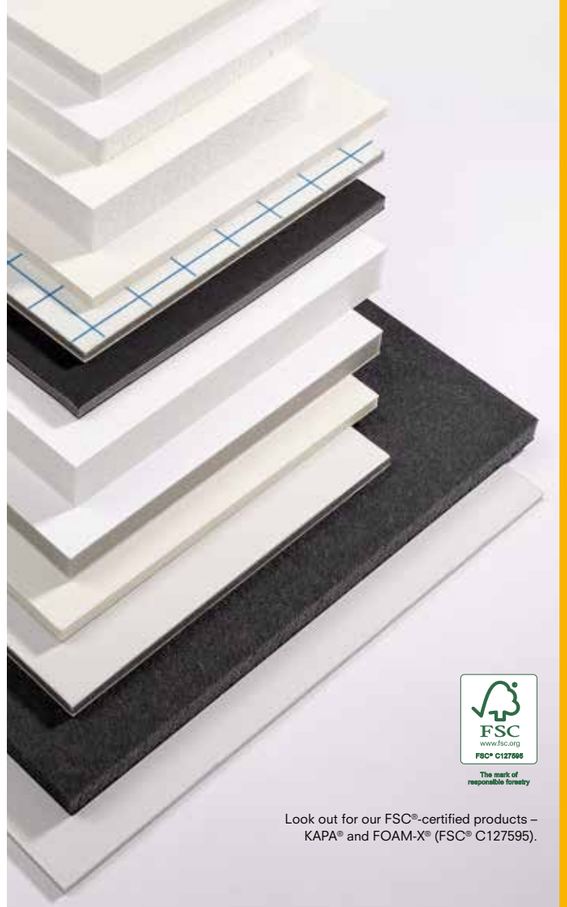
SINTREX®

KAPA®

GATORFOAM®

FOAM-X®

SWEDBOARD® COMPOSITE



Look out for our FSC®-certified products – KAPA® and FOAM-X® (FSC® C127595).

LIGHTWEIGHT FOAMBOARDS

VERSATILE, LIGHTWEIGHT AND STRUCTURED.

- Wide range of structured surfaces
- Low weight
- Easy processing
- Wide range of applications

Our portfolio features a wide range of plastic sheets in PS, HIPS, and SAN, designed for versatile applications. POLYCASA® PS impresses with over 30 textured surface options, perfect for products like shower enclosures. POLYCASA® HIPS delivers enhanced impact toughness, combining strength and durability. Compared to conventional transparent materials, POLYCASA® SAN stands out for its higher stiffness and light weight, as well as its outstanding resistance to water absorption and chemicals.

THE ORIGINAL BRANDS

PS

HIPS

SAN

SERVICES & TOOLS

We are not only a manufacturer of various sheet materials, we also offer innovative solutions.

With our tailored services, we support you at every step of your project – from inspiration to implementation.

PRODUCT FINDER
Find the right material – With our product finder, you can select materials from a wide portfolio – tailored to application areas, specific properties, and various processing options. This way, you quickly and efficiently get the optimal solution for your requirements.

APPLICATION ENGINEERING SERVICE
Expert advice and know-how – Our application engineering service supports you with practical guidance and individual assistance: from material properties and processing questions to functional dimensioning. Whether online, on-site, or at our facility – we find the right solution for your challenges.

TECHNICUM
Learn, test, experience – At the Technicum in Singen, which serves as an innovation center, we provide a creative environment for hands-on training, workshops, and knowledge transfer. Visitors have the opportunity to explore materials up close, try out processing techniques, and discover new application potentials – ideal for end customers, designers, and processors.

MATERIAL SAMPLES
Quality you can experience – With our material samples and sample boxes, you get a realistic impression of products and their properties. This allows you to make the right decision for your project – easily, quickly, and directly.

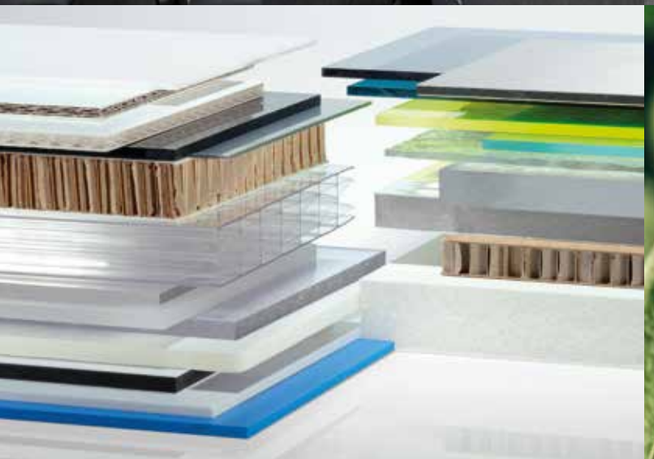
UP-TO-DATE
Stay inspired and well-informed.

- For more information and exciting application examples, visit our website – **www.display.3AComposites.com**
- Subscribe to our online newsletter to always stay up-to-date.
- Follow us on our social media channels for trends, tips, and product highlights.

MAKING LIFE LIGHTER AND MORE COLORFUL.

Mo – Sa
24/7
Supermarket

DISPLAY
PRODUCT
FINDER



FIVE
DOT
MISSION

KAPA
HIPS
Luxor
FIVE
DOT

Making life lighter and more colorful.

WWW.DISPLAY.3ACOMPOSITES.COM

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