



BOUNDLESS POSSIBILITIES
FOR TRANSPORT AND
INDUSTRY APPLICATIONS.



HIGH QUALITY SHEETS FOR APPLICATION AREAS SUCH AS

RAIL | MARINE | BUS | CARAVAN

SANITARY WARE

VEHICLE CONSTRUCTION

AGRICULTURAL VEHICLES

PACKAGING | FURNITURE CONSTRUCTION

STREET FURNITURE | MACHINERY CASING

PARTITION WALLS | CLADDING

PROTECTIVE COVERING

INSULATION | COOLING

ROOF/CEILING APPLICATIONS

GLAZING | CEILING LIGHTING

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3A COMPOSITES TRANSPORT & INDUSTRY EUROPE

3A Composites Transport & Industry Europe is an international division of the 3A Composites Group and part of Schweiter Technologies AG. We are the leading manufacturer, along with Athlone Extrusions Ltd., the Polycasa Group and Perspex International Ltd., for extruded plastic sheets, aluminium composite materials and lightweight foamboards for the fields of agricultural and commercial vehicles, caravans, sanitary ware, furniture construction, shipbuilding and the rail vehicle construction industry.

On the following pages, we would like to present our wide and diversified product portfolio. This variety means that we can offer our customers a unique and perfectly coordinated range of products – and everything is from a single source.

We attach particular importance to sustainable manufacturing processes and environmentally friendly materials. Our goal is to ensure the prompt supply of innovative, top-quality products which are tailored to our customers' needs.

BOUNDLESS POSSIBILITIES FOR TRANSPORT AND INDUSTRY APPLICATIONS.

In this brochure, we would like to provide you with an initial and 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.transport-industry.com. We are happy to offer advice!



MATERIAL

Aluminium composite with honeycomb core

PRODUCT VERSIONS

ALUCORE®

ALUCORE® lite

COLOURS

Platinum white | Mill-finish and
other colours on request

THICKNESSES

6 to 25 mm

APPLICATIONS

Machine guards

Partitions | Cladding

Protective covers

Rail

Road

Urban street furniture

Marine applications | Shipbuilding

Industrial applications

Roofing and ceiling applications

Bus shelters

Sound proofing | Insulation

Furniture construction

Carrier plate for lamination

PROCESSING

Form milling

Water jet cutting

Thread cutting

Shearing | Sawing

Die cutting | Glueing

Clamping | Drilling | Riveting | Screwing

Routing and folding (V-groove) | 3D

Cold bending | Cold folding

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.

MED approved
ALUCORE®
ALUCORE® lite



PRODUCT

ALUCORE®, an composite panel consisting of two aluminium cover layers and an aluminium honeycomb core, is a versatile material for applications in the transport and industry sector. It is characterized by its lightweight, high rigidity, optimum flatness, good formability and a wide variety of different thicknesses and formats.

ALUCORE® is a popular choice for both outdoor and indoor applications in shipbuilding because composite panels are easily processed to create partition walls, doors and ceilings with optimum strength values.

THE HONEYCOMB PANEL AMONGST ALUMINIUM COMPOSITE PANELS.

ALUCORE®

ALUCORE® composite panels are the ideal material for special interior fittings, wall and ceiling claddings, truck superstructures, as well as door and flap systems in the rail and road vehicle manufacturing sector.

The product version ALUCORE® lite is perfectly suited as a lightweight base panel to add further laminates for shipbuilding as well as for transport and industrial applications. ALUCORE® lite offers excellent value for money with known quality and processing possibilities.

ALUCORE® and ALUCORE® lite are MED-approved for the shipbuilding industry and meet the requirements for rail vehicles according to EN 45545-2 for R1, R7 and R17 (HL3).



MATERIAL

Aluminium composite with a flame-retardant mineral or a non-combustible mineral core

PRODUCT VERSIONS

ALUCOBOND® PLUS
ALUCOBOND® A2

COLOURS

UNI | METALLIC | SPECTRA | SPARKLING |
NATURAL | ANODIZED LOOK | TERRA | URBAN |
ROCCA | VINTAGE | ALUCOBOND® LEGNO | DESIGN

THICKNESSES

4 mm
3 and 6 mm on request

APPLICATIONS

Machine guards
Partitions | Cladding
Protective covers
Rail | Road | Urban street furniture
Marine applications | Shipbuilding
Industrial applications
Roofing and ceiling applications
Shower cabins | Sanitary ware
Bus shelters
Furniture construction | Carrier plate for lamination

PROCESSING

Form milling
Water jet cutting
Shearing | Sawing | Die cutting
Glueing | Clamping
Drilling | Riveting | Screwing
Welding
Routing and folding (V-groove) | 3D
Cold bending | Cold folding
Engraving (laser / graver)
Embossing

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.



PRODUCT

ALUCOBOND® is the original aluminium composite panel consisting of two aluminium cover layers and a flame-retardant, mineral (ALUCOBOND® PLUS) or a non-combustible, mineral (ALUCOBOND® A2) core.

ALUCOBOND® is characterized by the combination of formability, flatness, rigidity and resistance to weathering. Even large format ALUCOBOND® panels demonstrate an impressive strength-to-weight ratio due to their composite structure.

ALUCOBOND® – NEXT & BEYOND.

ALUCOBOND®

Thanks to easy processing options, the areas of application for ALUCOBOND® are extremely diverse and include vehicle construction, shipbuilding, rail vehicle construction or industrial applications such as machinery casing, clean room technology and lift construction – the opportunities are numerous.

ALUCOBOND® PLUS has MED approval for shipbuilding. Both ALUCOBOND® PLUS and ALUCOBOND® A2 meet the requirements for rail vehicles according to EN 45545-2 for R1, ALUCOBOND® PLUS additionally for R7 and R17 (HL3).



MATERIAL

Aluminium composite
with polypropylene core

PRODUCT VERSIONS

HYLITE® with compact core
HYLITE® with foamed core

COLOURS

Aluminium | White |
Other colours on request

THICKNESSES

Compact core: 1.2 or 2 mm
Foamed core: 3 or 4 mm

APPLICATIONS

Machine guards
Rail
Road
Furniture construction

PROCESSING

Form milling
Water jet cutting
Shearing | Sawing | Die cutting
Glueing
Drilling | Riveting | Screwing
Routing and folding (V-groove) | 3D
Cold bending | Cold folding
Hinge function (bending cycle) – only compact core
Embossing

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.

HYLITE®

PRODUCT

HYLITE® is an aluminium composite panel with a polypropylene core and aluminium cover layers. Due to two different types of core, the product range offers a wide variety of options for many different applications.

HYLITE® is the world's thinnest composite panel and its compact core material, in 1.2 or 2 mm thicknesses, provides a special hinge function, i.e. HYLITE® withstands repeated bending without damage. The hinge function is achieved by milling grooves into the outer aluminium cover layers in an identical position on both sides.

**HIGHLY VERSATILE – WITH A
COMPACT OR FOAMED CORE.**

For the 3 and 4 mm thicknesses, the core material is foamed in a specially developed production process. This results in an ultra-light aluminium composite panel which is 80% lighter than conventional steel sheets or 30% lighter than aluminium sheets with the same flexural strength. Another plus point is the sheet's high temperature resistance. HYLITE® with a foamed core is predominately used for machinery casing and interior and exterior cladding for vehicles, agricultural machinery, caravans, mobile homes and buses.



MATERIAL

Aluminium composite
with polyurethane foam core (PUR)

COLOURS

White |
Other colours on request

THICKNESSES

5 and 10 mm

APPLICATIONS

Machine guards
Partitions | Cladding
Rail
Road
Roofing and ceiling applications
Air ducts
Furniture construction

PROCESSING

Laminating | Mounting
Cutting | Plotting
Form milling | Sawing
Glueing
Drilling | Screwing
Routing and folding (V-groove) | 3D

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.

KAPA[®]tech

PRODUCT

KAPA[®]tech, an innovative lightweight sheet featuring a unique composition of a polyurethane foam core and aluminium cover layers, combines lightweight with rigidity.

Thanks to the lacquered aluminium cover layers and a temperature and moisture-resistant core, KAPA[®]tech is the first KAPA[®] sheet for both indoor and outdoor applications.

KAPA[®]tech is not only suitable for outdoor use – one of the product's main advantages is its fire classification:

INNOVATIVE PRODUCT WITH UNIQUE PROPERTIES: LIGHTWEIGHT – STRONG – FIRE RATED.

It is flame retardant and qualifies as “difficult-to-ignite”.

KAPA[®]tech also complies with the requirements for use in rail vehicles according to EN 45545-2 for R1 (HL3).

KAPA[®]tech offers excellent properties for diverse applications in the transport sector, for industrial applications as well as for furniture and interior design.



MATERIAL

Lightweight foamboard
with polyurethane foam core (PUR)

PRODUCT VERSIONS

KAPA®inlay
KAPA®protect
KAPA®iso

COLOURS

KAPA®inlay: Beige
KAPA®protect and KAPA®iso: Grey

THICKNESSES

KAPA®inlay: 3 to 20 mm
KAPA®protect: 5, 8 and 10 mm
KAPA®iso: 3.5 and 6 mm
Other thicknesses on request

APPLICATIONS

KAPA®inlay:
Road
Industrial applications
Furniture construction
Carrier plate for lamination

KAPA®protect:
Protective covers | Edge protection
Packaging board for transport protection

KAPA®iso:
Transport packaging with excellent insulation
properties

PROCESSING

Cutting | Plotting
Laser cutting | Form milling
Water jet cutting
Shearing | Sawing | Die cutting | Glueing
Clamping | Drilling | Riveting | Screwing

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.

KAPA[®]inlay **KAPA**[®]protect **KAPA**[®]iso

KAPA[®]

PRODUCT

KAPA[®] is a high-quality lightweight foamboard with a polyurethane foam core and individual composite cover layers. The technology used for foaming the core between the two outer layers is exclusive to KAPA[®] and unique worldwide.

KAPA[®]inlay and KAPA[®]protect are lightweight foamboards with a closed-cell polyurethane foam core and both-sides polyester nonwoven composite surface layers. KAPA[®]inlay is also used as a base panel for CPL, HPL, metal, plastic and GRP coatings in addition to applications for furniture and interior design purposes.

KAPA[®]protect is a versatile foamboard for packaging and protecting products such as coils and tubes (litho coils, metal, paper and plastic film rolls) during transport and for use as edge protection.

KAPA[®]iso is a lightweight foamboard with a polyurethane foam core and both-sides metallised composite film. It is the ideal material for die-cut transport packaging in a variety of formats with excellent insulating properties (hot and cold) for a period of 12 to 24 hours.

SOPHISTICATED TECHNOLOGY.



MATERIAL

PC (Polycarbonate)

PRODUCT VERSIONS

IMPEX® (Standard)

IMPEX® UVP

IMPEX® HC

COLOURS

Clear transparent | Opal/White | Brown |
Other opaque, translucent colours and patterned
surfaces (Prismatic, Impala, Haircell) with or
without UV protection available on request

THICKNESSES

1 to 20 mm

APPLICATIONS

Machine guards
Partitions | Cladding
Road
Urban street furniture
Marine applications | Shipbuilding
Industrial applications
Shower cabins | Sanitary ware
Furniture construction

PROCESSING

Cutting | Plotting
Form milling | Thread cutting
Sawing | Die cutting | Glueing | Drilling | Screwing
Routing and folding | 3D
Hot bending | Hot folding
Thermoforming
Cold bending | Cold folding
Engraving (laser/graver)
Tempering
Polishing

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.



PRODUCT

IMPEX® stands for a wide range of large format, extruded, virtually unbreakable polycarbonate sheets with excellent optical and mechanical properties. The product range comprises an array of different surfaces, versions and patterns. The high quality sheets are extremely impact resistant, which means they can provide comprehensive solutions for both indoor and outdoor use.

IMPEX® UVP with UV protection on both sides and excellent resistance to weathering is especially suitable for use outdoors.

IMPEX® HC are UV-protected polycarbonate sheets with a one- or both sides abrasion resistant coating and a good impact resistance, which makes them especially suitable for flat indoor and outdoor applications.

EXTRUDED POLYCARBONATE SHEETS
WITH EXCEPTIONAL CHARACTERISTICS.



MATERIAL

PC (Polycarbonate)

COLOURS

Clear transparent | Opal | Bronze |
Other colours on request

THICKNESSES

Variety of different profile designs:
4/2 w | 6/2 w | 8/2 w | 10/2 w | 10/4 w | 16/3 w
16, 20, 25 Diamond

APPLICATIONS

Partitions | Cladding
Roofing and glazing for carports, patios,
conservatories and pergolas
Skylights
Greenhouses
Swimming pool covers

PROCESSING

Sawing | Glueing | Drilling

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.



IMPEX[®] MULTIWALL

PRODUCT

IMPEX[®] MULTIWALL are extruded, multi-wall polycarbonate sheets which are virtually unbreakable. The particular benefits offered by the sheets are their lightweight, excellent optical properties, high impact resistance and very good resistance to weathering. They also have insulating properties for cold and hot.

IMPEX[®] MULTIWALL is suitable for a variety of different indoor and outdoor applications. The standard range includes the colours clear, opal and bronze in different profile design versions.

EXTRUDED MULTIWALL
POLYCARBONATE SHEETS WITH
HIGH IMPACT RESISTANCE.



MATERIAL

PS (Polystyrene)

COLOURS

Clear transparent | Clear transparent with anti-reflective on one side | Variety of translucent and opaque colours as well as different patterns available on request

THICKNESSES

0.85 to 5 mm

APPLICATIONS

Shower cabins | Sanitary ware
Lighting | Glazing

PROCESSING

Form milling | Laser cutting
Thread cutting
Sawing
Glueing
Drilling
Screwing
Routing and folding | 3D
Hot bending | Hot folding
Thermoforming
Engraving (laser/graver)

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.



PRODUCT

POLYCASA® PS stands for extruded crystal polystyrene sheets which provide solutions for many indoor applications. Thanks to the extrusion process, alongside the clear transparent standard products (with or without anti-reflective), there are also a variety of colours and patterns, especially for the manufacturing of shower cabins, on offer.

POLYCASA® PS sheets are used for a number of different purposes in the sectors of sanitary ware as well as interior glazing and lighting applications.

VERSATILE, EFFECTIVE, ATTRACTIVE.



MATERIAL

HIPS (High-Impact-Polystyrene)

PRODUCT VERSIONS

- P90M Co-extruded to provide a consistent low matt finish
- P91 Gloss HIPS containing a co-extruded GPPS layer for improved aesthetics and a high gloss finish
- P90S ESCR (FREON) – Improved chemical resistance and low temperature performance. Especially for the refrigeration industry
- P90D ESCR (FREON) – Thin gauge HIPS specifically for the furniture door market
- P90F / P91F Suitable for use with foodstuffs
- P90SIL Standard matt HIPS with silicone additives to achieve gliding properties
- P90CD Low volume resistivity grade

COLOURS

Limitless variety of colours

THICKNESSES

1 to 6 mm

APPLICATIONS

Machine guards
Partitions | Cladding
Protective covers
Shower cabins | Sanitary ware
Solariums
Furniture construction

PROCESSING

Form milling
Laser cutting
Water jet cutting
Shearing | Sawing | Die cutting
Glueing
Clamping
Drilling | Screwing
Welding
Hot bending | Hot folding
Thermoforming
Engraving (laser / graver)
Embossing
Tempering
Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.

ATHLON^{EX}trusions[®] HIPS

PRODUCT

ATHLON^{EX}trusions[®] HIPS is a versatile, economic, solid thermoplastic characterised by its ease of processing in flat sheet and thermoforming applications.

ATHLON^{EX}trusions[®] HIPS is available in an infinite range of opaque colours including special effects and can be extruded in gloss or matt. The matt versions are available in a diverse range of surface textures.

VERSATILE – AVAILABLE AS REELS
AND SHEETS.



MATERIAL

HIPS (High-Impact-Polystyrene)

COLOURS

White | Black | In matt or glossy finish | Other colours and patterns (Pinseal, Grain, Smart & Leather) available on request

THICKNESSES

0.5 to 10 mm

APPLICATIONS

Machine guards
Partitions | Cladding
Protective covers
Bath panels and shower wall panels
Sanitary ware
Solariums
Furniture construction

PROCESSING

Form milling
Laser cutting
Thread cutting
Sawing
Glueing
Drilling
Screwing
Routing and folding | 3D
Hot bending | Hot folding
Thermoforming

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.



PRODUCT

POLYCASA® HIPS is a rubber-modified polystyrene sheet which offers enhanced impact resistance and is easy to process. The product is available with either a matt finish on both sides or with a matt finish on one side and a glossy surface on the other.

The sheets' surface quality is outstanding, they offer very good electrical insulation properties and are an excellent printing substrate. In addition, they are suitable for thermoforming.

ENHANCED IMPACT RESISTANCE.
EASY TO CUT AND FORM.



MATERIAL

SAN (Styrene-Acrylonitrile-Copolymer)

COLOURS

Clear transparent | Translucent and opaque colours as well as various patterned surfaces available on request

THICKNESSES

1.5 to 6 mm

APPLICATIONS

Industrial (door) glazing
Partitions | Cladding
Sanitary ware
Furniture construction
Greenhouse glazing
Partition walls

PROCESSING

Form milling
Thread cutting
Sawing
Glueing
Drilling
Screwing
Routing and folding | 3D
Hot bending | Hot folding
Thermoforming
Cold bending | Cold folding
Engraving (laser / graver)

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.



PRODUCT

POLYCASA® SAN is an extruded styrene-acrylonitrile copolymer (SAN) sheet. The SAN programme offers solutions for both indoor and outdoor applications. For outdoor use, we recommend the version with UV protection.

Compared to conventional transparent materials, these sheets provide real benefits – weighing 10% less but with considerably enhanced rigidity, POLYCASA® SAN

sheets can be up to one third thinner for similar applications. In addition, POLYCASA® SAN is exceptionally resistant against water and chemical absorption.

Thanks to their extreme lightweight and UV resistance, POLYCASA® SAN sheets are the perfect choice for glazing in industrial doors and, when electrical motors are used to operate the doors, a considerable amount of energy can be saved.

LIGHTER, BUT STIFFER.



MATERIAL

PET (Polyethylene Terephthalate)

PRODUCT VERSIONS

HIPEX® A – for cold bending applications

HIPEX® G – for complex thermoforming

COLOURS

Clear-transparent (with or without anti-reflective) |

Opal 30% | Other colours on request

THICKNESSES

HIPEX® A: 0.5 to 6 mm

HIPEX® G: 0.5 to 20 mm

APPLICATIONS

Machine guards

Partitions | Cladding

Road

Urban street furniture

Industrial applications

Furniture construction

PROCESSING

Cutting | Plotting

Form milling

Laser cutting

Thread cutting

Sawing | Die cutting

Glueing

Drilling | Screwing

Welding

Routing and folding | 3D

Hot bending | Hot folding

Thermoforming

Cold bending | Cold folding

Hinge function (bending cycle)

Engraving (laser / graver)

Tempering

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.



PRODUCT

The HIPEX® product range includes extruded A-PET and PET-G thermoplastic polyester sheets. These sheets are characterized by their impressive impact strength, outstanding transparency, excellent printability with UV-resistant inks, plus their fast and easy processing options.

In addition, HIPEX® sheets are fire rated “difficult-to-ignite” meaning that they are the best possible choice for a wide range of different indoor and outdoor applications. For outdoor use, we recommend the version with UV protection.

The HIPEX® product range is ideal when it comes to forming. HIPEX® A is especially suited for cold-bending applications, HIPEX® G for complex thermoforming.

HIPEX® sheets are recyclable within their own category of plastic waste.

FLAWLESSLY EXTRUDED A-PET AND PET-G
THERMOPLASTIC POLYESTER SHEETS.



MATERIAL

PET (Polyethylene Terephthalate)

PRODUCT VERSIONS

LUMEX® A

– for flat and cold bending applications

LUMEX® G

– ideal for vacuum and thermoforming

COLOURS

Clear transparent (with or without anti-reflective) |

Opal 30% | Other colours on request

THICKNESSES

LUMEX® A: 0.5 to 6 mm

LUMEX® G: 0.5 to 10 mm

APPLICATIONS

Machine guards

Partitions | Cladding

Road

Urban street furniture

Industrial applications

Furniture construction

PROCESSING

Cutting | Plotting

Form milling

Laser cutting

Thread cutting

Sawing | Die cutting

Glueing

Drilling | Screwing

Welding

Routing and folding | 3D

Hot bending | Hot folding

Thermoforming

Cold bending | Cold folding

Hinge function (bending cycle)

Engraving (laser / graver)

Tempering

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.

LUMEX®

PRODUCT

LUMEX® stands for flawlessly extruded transparent and translucent A-PET and PET-G thermoplastic polyester sheets. Both products ensure excellent printing results with UV-resistant inks, have a high level of impact resistance, are easy and fast to process and the UV protection version offers good resistance to weathering.

In addition, LUMEX® is classed as “difficult-to-ignite” and suitable for food applications.

The LUMEX® product range is the ideal choice for forming. LUMEX® A (A-PET) is especially suitable for cold-bending applications, LUMEX® G (PET-G) for vacuum and thermoforming.

LUMEX® sheets are recyclable in their own category of plastic waste.

A CLEAR CHOICE.



MATERIAL

PMMA (Acrylic glass)

PRODUCT VERSIONS

ASTERITE® Gloss
ASTERITE® Stone
ASTERITE® Velour
ASTERITE® Pearlescent
ASTERITE® Ice
ASTERITE® Metal
ASTERITE® Spa
ASTERITE® Easy Shaping
ASTERITE® Plus+
ASTERITE® Starlight

COLOURS

White | Clear | A range of standard colours |
Bespoke colours

THICKNESSES

3.2 to 12 mm

APPLICATIONS

Spa
Vanity Bowls
Shower Trays
Bathtubs
Bath Panels
Decorative Panels
Splashbacks

PROCESSING

Contour milling
Cutting
Laser cutting
Water jet cutting
Thread cutting
Sawing
Glueing
Drilling | Screwing
Bending
Thermoforming
Tempering
Polishing

Some product versions may have restricted processing options.
Our experienced team of engineers at the Technical Department
is available to offer help and answer any questions.

PRODUCT

ASTERITE® Acrylic Sheet has been used for making the very highest quality sanitary ware for over 80 years. The ASTERITE® Acrylic Sheet product ranges are the result of extensive technical developments in conjunction with the world's leading sanitary ware manufacturers.

ASTERITE® Acrylic Sheet is specially formulated for superior thermoforming, with chemical and abrasion-resistant properties that have made it the preferred choice of bath and spa manufacturers for generations.

THE ULTIMATE BLEND OF BEAUTY
AND STRENGTH.

ASTERITE®
ACRYLIC SHEET

ASTERITE® Acrylic Sheet is exhibiting the excellent processing characteristics and surface quality needed to create complex parts and designs that are both attractive and durable.

Need a bespoke colour? ASTERITE® in-house colour experts can match almost any colour or create new bespoke hues tailored to your requirements.



MATERIAL

PMMA (Acrylic resin)

PRODUCT VERSIONS

ASTERITE® LAR – Solid Surface
ASTERITE® LAR – Engineered Stone
ASTERITE® LAR – Embedment

COLOURS

Colourless and Clear | A range of pigments can be added to produce coloured cast products as required

APPLICATIONS

Bathtubs
Vanity Bowls
Shower Trays
Kitchen Worktops | Kitchen Sinks
Cladding
Flooring
Acrylic Embedment

PROCESSING

For casting into products that depending on application ASTERITE® LAR can be subsequently used for:

Painting | Lacquering
Cutting
Form milling
Sawing
Glueing
Drilling | Screwing
Bending
Thermoforming
Engraving
Embossing
Tempering
Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.



PRODUCT

ASTERITE® Liquid Acrylic Resin (LAR) is used in a number of applications to produce moulded articles such as solid surface, engineered stone and cast embedments.

The ASTERITE® LAR – Solid Surface resins are specifically targeted at the premium solid surfaces and shapes sectors. Nonporous solid surface manufactured from these ASTERITE® resins is made to last. It is extremely hardwearing, resistant to ultra violet light and chemicals yet warm to the touch. ASTERITE® resins with ATH cast into acrylic solid surface sheets can be subsequently thermoformed into simple shapes such

as shower trays and vanity bowls. The sheets can also be fabricated into articles such as furniture.

On the other hand ASTERITE® resins with ATH can be cast directly into acrylic solid surface shapes such as baths, vanity basins and shower trays.

The ASTERITE® LAR – Engineered Stone resins can be combined with quartz fillers and cast into durable surfaces such as kitchen worktops with excellent weatherability, scratch resistance and thermal shock stability.

The ASTERITE® LAR – Embedment resins are liquid acrylic resins used for acrylic encapsulations of various objects which produce a 3D display piece.

HIGH QUALITY LIQUID ACRYLIC RESINS.



MATERIAL

PMMA (Acrylic glass)

PRODUCT VERSIONS

CRYLON® (Standard)

CRYLON® HI

CRYLON® UVT

CRYLON® Surface structures

CRYLON® Soft Tone

COLOURS

Clear | Opal/White | A range of standard colours |

Other colours on request

THICKNESSES

1.5 to 25 mm

APPLICATIONS

Skylights | Roofing

Partitions | Cladding

Door and gate glazing

Caravan windows

PROCESSING

Form milling

Laser cutting

Water jet cutting

Thread cutting

Sawing

Glueing

Drilling | Screwing

Welding

Hot bending | Hot folding

Thermoforming

Engraving (laser/graver)

Tempering

Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.



PRODUCT

CRYLON® comprises an extensive range of large-format, extruded acrylic glass sheets featuring outstanding clarity and first-rate optical characteristics, excellent colour rendering and varying degrees of transparency.

The premium quality surfaces have a high level of resistance to weathering and aging, and provide solutions for a variety of indoor and outdoor applications.

For special applications, the product range offers the particularly impact-resistant version CRYLON® HI (High Impact).

CRYLON® UVT is ideal for solariums and sunbeds. The sheets have high transmittance in the UV-A/UV-B spectral range and very good resistance to degradation following exposure to these rays.

CRYLON® Soft Tone is characterised by double-sided matt surfaces.

EXTRUDED ACRYLIC IN BRILLIANT CLARITY.



MATERIAL

PMMA/ABS

PRODUCT VERSIONS

AB401	Outdoor grade – full UV stability
AB402ML	Surface with metallic effect
AB301D	Furniture grade – suitable for surfaces in kitchen and living areas
AB301P	Sanitary grade – suitable for wash-basins and bath panels
AB301T	Sanitary grade – specially designed for the shower tray industry
AB401XM-ST	Granite finish surface

COLOURS

Limitless variety of colours

THICKNESSES

1.5 to 10 mm

Furniture grade (0.7 to 2 mm)

APPLICATIONS

Machine guards
Partitions | Cladding
Protective covers
Road
Urban street furniture
Industrial applications
Roofing and ceiling applications
Bath and shower trays | Sanitary ware
Solariums
Bus shelters
Furniture construction
Parts for vehicle cladding

PROCESSING

Form milling
Laser cutting | Water jet cutting
Shearing | Sawing | Die cutting
Glueing | Clamping | Drilling | Screwing
Welding
Routing and folding | 3D
Hot bending | Hot folding | Thermoforming
Engraving (laser/graver) | Embossing
Tempering | Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.

ATHLON[®] Extrusions PMMA/ABS

PRODUCT

ATHLON[®] Extrusions[®] PMMA/ABS is a multi-layer, combination of PMMA co-extruded on high impact ABS. The benefits of this construction include an excellent A-face finish in a range of gloss levels. Properties included within the range include superior scratch resistance, improved chemical resistance and excellent UV stability.

All versions are offered in an extremely wide variety of colours including metallics, granite and special effects and provide easy thermoforming processing characteristics.

MULTI-LAYER WITH AN EXCELLENT
SURFACE FINISH.



MATERIAL

ABS (Acrylnitril-Butadien-Styrol-Copolymere)

PRODUCT VERSIONS

B400	Very high impact strength
B250	High heat ABS engineered for applications where a higher heat deflection temperature is required
B300IR	Ignition resistant according to UL94 V-0
B150	Recycled ABS grade range
ASAB300	ASA capped ABS
B401FOIL	Decorative foils in PVC, PVDF and PMMA laminated on high impact ABS
B401SOFT	TPU co-extruded on ABS presenting a soft feel
B360P	Electroplating grade with a high gloss finish

COLOURS

Limitless variety of colours

THICKNESSES

1.5 to 8 mm

APPLICATIONS

Machine guards
Partitions | Cladding
Protective covers
Road
Industrial applications
Solariums
Furniture construction

PROCESSING

Form milling
Laser cutting
Water jet cutting
Shearing | Sawing | Die cutting
Glueing
Clamping
Drilling | Screwing
Welding
Hot bending | Hot folding
Thermoforming
Engraving (laser / graver)
Embossing
Tempering
Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.

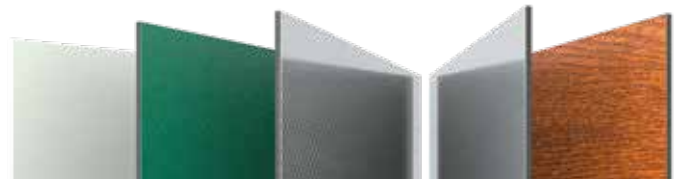
ATHLON*Extrusions*[®] ABS

PRODUCT

ATHLON*Extrusions*[®] ABS is an engineering thermoplastic material with excellent impact strength for use in areas where toughness and durability are of key importance.

ATHLON*Extrusions*[®] ABS is produced in an infinite range of colours, finishes and textures, and features excellent and easy processing with a wide thermoforming temperature window. There are a very wide range of grades available to suit a multitude of applications.

OUTSTANDING MATERIAL AND PROPERTIES.



MATERIAL

PP (Polypropylene)

PRODUCT VERSIONS

- PP620TF Standard grade in semi-matt finish
- PP620TF-LT Improved impact strength (especially for low temperature range)
- PP620TF-G Gloss version of standard grade, similar to painted metal

COLOURS

Limitless variety of colours

THICKNESSES

2 to 5 mm | 2 to 6 mm with textured surface

APPLICATIONS

- Machine guards
- Partitions | Cladding
- Protective covers
- Road
- Urban street furniture
- Industrial applications
- Shower cabins | Sanitary ware
- Solariums
- Bus shelters
- Furniture construction

PROCESSING

- Form milling
- Laser cutting | Water jet cutting
- Shearing | Sawing | Die cutting
- Glueing
- Clamping
- Drilling | Screwing
- Thermoforming
- Engraving (laser / graver)
- Embossing
- Tempering
- Polishing

Some product versions may have restricted processing options. Our experienced team of engineers at the Technical Department is available to offer help and answer any questions.

ATHLON[®] Extrusions[®] PP+

PRODUCT

ATHLON[®] Extrusions[®] PP+ is a talc-filled, extremely high impact plastic sheet.

The specific formula used is designed to offer similar vacuum-forming characteristics to styrenic materials, with fast cycle times, a relatively wide moulding tem-

perature window and low post mould shrinkage rates in comparison to alternative polyolefins. In general, it is possible to use existing tooling designed for styrenic materials to mould the ATHLON[®] Extrusions[®] PP+ grades.

HEAT AND EXTREMELY IMPACT RESISTANT.



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