

# VEHICLE

ALUMINIUM AND PLASTIC MATERIALS FOR VEHICLE CONSTRUCTION



# UNBELIEVABLE VARIETY FROM A SINGLE SOURCE

Our materials make a truly positive impression – embossed or smooth, opaque, translucent or transparent – ranging from high-gloss to extra-matt. Special surfaces such as soft touch, wood look, carbon or metallic effect are also available. All our materials provide convincing qualities, no matter whether they are on view or concealed. They are lightweight, impact resistant, corrosion resistant and easy to process.

Our portfolio's distinctive feature - everything comes from a single source.

Thanks to our diversified range, we can offer you unique and perfectly coordinated products. Our aim is to ensure swift delivery of innovative, high-quality products to suit your needs. Our aluminium composite panels, lightweight foamboards or cast, extruded and co-extruded plastic panels are all adapted to interior and exterior applications in vehicle construction: vehicle cladding and structural parts, covers or casings, roof/side windows, furniture or even in wet rooms.

Robust lightweights: Our aluminium composite panels include outstanding benefits by offering very high flexural strength and extremely low weight; our plastic sheets are characterised by excellent processing properties, e.g. for vacuum forming. The extensive range includes everything from "difficult-to-ignite" sheet materials to high UV-resistance and easy to form products.

Another positive feature provided by our products is their compelling visual appeal: we fulfil customer-specific colour requests with the highest colour consistency at our in-house laboratories. Our databases already include over 20.000 different colours. Thanks to our in-house masterbatch production and colour compounds, we can provide a direct supply of colour-matched granules for your injection moulding applications.

There is really no need for us to go into the many advantages lightweight materials provide in vehicle construction. We are proud that our materials are contributing to a reduction in CO<sub>2</sub> emissions. Environmental protection is, of course, a topic close to our hearts – we are committed to environmentally sound manufacturing processes and sustainable materials.

We use our extensive experience and expertise to help our customers make the best possible decisions and to provide bespoke solutions. On the following pages, we would like to give you a first impression of our portfolio's wide range of applications. This brochure includes information on vehicle construction applications and also an overview of our products and their properties.

For further information, please do not hesitate to contact us.

# TRANSPORT VEHICLES

HGV







1 | Cabin cladding parts ATHLON*Extrusions*® ABS ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® TPU/ABS

2 | Substructure floor ALUCORE® (ACM)

#### 3 | Front cladding

ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® PC-ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+

4 | Sun visor

CRYLON® (PMMA XT)

5 | Roof window

CRYLON® (PMMA XT)

# 6 | Aerodynamic parts/spoilers ATHLON*Extrusions*® PMMA/ABS

ATHLON*Extrusions*® PC-ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+

7 | Inspection flap ATHLONExtrusions® PMMA/ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+ ALUCOBOND® (ACM)

#### 8 | Wheel cover/mudguard ATHLONExtrusions® PP+

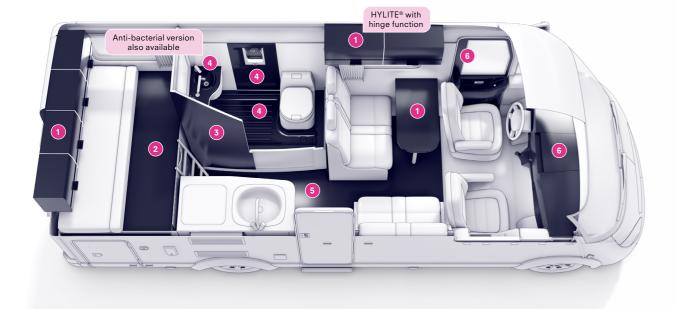
# 9 | Transport box ALUCORE® (ACM) ALUCOBOND® (ACM) HYLITE® (ACM)

10 | Side flap ALUCORE® (ACM)

11 | Rear door ALUCORE® (ACM)

# **RECREATION**

CARAVAN





#### 1 | Furniture

ATHLONExtrusions® ABS ALUCORE® (ACM) ALUCOBOND® (ACM) HYLITE® (ACM) KAPA®tech (ACM) KAPA®inlay (Foamboard)

#### 2 | Substructure sleeping area ALUCORE® (ACM)

#### 3 | Interior cladding parts

ATHLONExtrusions® ABS ATHLONExtrusions® PMMA/ABS ALUCORE® (ACM)
ALUCOBOND® (ACM)
HYLITE® (ACM)

#### 4 | Wet room

ATHLON*Extrusions*® ABS ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® HIPS POLYCASA® HIPS ALUCOBOND® (ACM)

#### 5 | Substructure floor

ALUCORE® (ACM)

#### 6 | Cladding parts

ATHLON Extrusions® ABS ATHLON*Extrusions*® PMMA/ABS ATHLON Extrusions® TPU/ABS

**7 | Front cladding** ATHLON*Extrusions*® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+

#### 8 | Wheel cover/mudguard

ATHLONExtrusions® PP+

#### 9 | Roof window

CRYLON® (PMMA XT) LUCRYL® (PMMA Resin)

#### 10 | Side window

CRYLON® (PMMA XT)

#### 11 | Inspection flap

ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® PP+ ALUCOBOND® (ACM)

**12 | Side flap** ATHLON*Extrusions*® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+ ALUCOBOND® (ACM)

PASSENGER TRANSPORT

**TOUR BUS** 







#### 1 | Seat panel

ATHLON*Extrusions*® ABS ATHLON*Extrusions*® PC-ABS ALUCOBOND® (ACM) HYLITE® (ACM)

2 | Substructure floor ALUCORE® (ACM)

#### 3 | Cabin cladding

ATHLONExtrusions® ABS ATHLON*Extrusions*® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® TPU/ABS

# 4 Luggage compartments ATHLON*Extrusions*® ABS

ATHLONExtrusions® PC-ABS ALUCORE® (ACM) ALUCOBOND® (ACM) HYLITE® (ACM)

#### 5 | Ceiling cladding

ATHLONExtrusions® ABS ATHLON*Extrusions*® PC-ABS ALUCORE® (ACM)
ALUCOBOND® (ACM)
HYLITE® (ACM)

#### 6 | Seat shell

ATHLONExtrusions® ABS ATHLONExtrusions® PC-ABS

#### 7 | Tables

0

ATHLON*Extrusions*® ABS ALUCORE® (ACM)
ALUCOBOND® (ACM)

8 | Luggage box ATHLON*Extrusions*® PMMA/ABS ALUCORE® (ACM) ALUCOBOND® (ACM)

#### 9 | Front cladding

10

ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+

10 | Side cladding ALUCORE® (ACM) ALUCOBOND® (ACM)

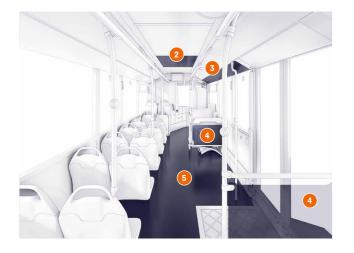
11 | Side luggage compartment flap ALUCORE® (ACM) ALUCOBOND® (ACM)



PASSENGER TRANSPORT

BUS







1 | Cabin cladding parts ATHLON*Extrusions*® ABS ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® PC-ABS ATHLONExtrusions® TPU/ABS

#### 2 | Ceiling cladding

ATHLONExtrusions® ABS ATHLON*Extrusions*® PC-ABS ALUCORE® (ACM)
ALUCOBOND® (ACM)
HYLITE® (ACM)

#### 3 | Ventilation ducts/Electrics covering

ATHLON*Extrusions*® ABS ATHLON*Extrusions*® PC-ABS ALUCOBOND® (ACM)

4 | Partitions CRYLON® (PMMA XT) IMPEX® (PC) ALUCOBOND® (ACM) HYLITE® (ACM)

#### 5 | Substructure floor ALUCORE® (ACM)

**6 | Front cladding** ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® PC-ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+

**7 | Air conditioning unit cover** ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® PC-ABS ATHLONExtrusions® ASA/ABS

8 | Roof window CRYLON® (PMMA XT)

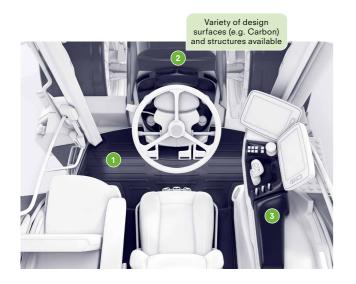
#### 9 | Side cladding

ALUCORE® (ACM) ALUCOBOND® (ACM)

10 | Ramp ALUCORE® (ACM)

# AGRICULTURAL VEHICLES

TRACTOR





1 | Substructure floor ALUCORE® (ACM)

**2 | Cabin cladding parts** ATHLON*Extrusions*® ABS ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® TPU/ABS

**3 | Console cladding** ATHLON*Extrusions*® ABS

4 | Trailer cladding parts ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+

5 | Cladding parts
ATHLONExtrusions® PMMA/ABS
ATHLONExtrusions® PC-ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+ ALUCOBOND® (ACM)

## 6 | Side window

IMPEX® (PC)

**7 | Roof panel**ATHLONExtrusions® PMMA/ABS
ATHLONExtrusions® PC-ABS
ATHLONExtrusions® PP+

# 8 | Wheel cover/mudguard ATHLON*Extrusions*® PP+



# AGRICULTURAL VEHICLES COMBINE HARVESTER



1 | Console cladding ATHLONExtrusions® ABS

2 | Substructure floor ALUCORE® (ACM)

**3 | Cladding parts** ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® PP+

4 | Roof panel
ATHLONExtrusions® PMMA/ABS
ATHLONExtrusions® PC-ABS
ATHLONExtrusions® PP+

5 | Side window IMPEX® (PC)

6 | Side cladding ATHLONExtrusions® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+ ALUCOBOND® (ACM)

# **TRAILER**

HORSE BOX TRAILER



## 1 | Ramp

ALUCORE® (ACM)

#### 2 | Substructure floor ALUCORE® (ACM)

**3 | Side cladding** ATHLON*Extrusions*® ABS ATHLON*Extrusions*® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® PP+ ALUCORE® (ACM) ALUCOBOND® (ACM)

#### 4 | Partition

ALUCORE® (ACM) ALUCOBOND® (ACM)

# **5 | Wheel cover/mudguard** ATHLON*Extrusions*® PP+

#### 6 | Roof structure

ATHLONExtrusions® PMMA/ABS ATHLONExtrusions® ASA/ABS ATHLON*Extrusions*® PC-ABS ATHLONExtrusions® PP+

#### 7 | Window

CRYLON® (PMMA XT) IMPEX® (PC)

#### 8 | Side doors

ATHLONExtrusions® PMMA/ABS ATHLONExtrusions® PC-ABS ATHLONExtrusions® ASA/ABS ATHLONExtrusions® PP+ ALUCORE® (ACM) ALUCOBOND® (ACM)

# INDUSTRIAL VEHICLES



#### 1 | Cabin cladding

ATHLON Extrusions® ABS ATHLONExtrusions® PMMA/ABS

#### 2 | Cladding parts

ATHLONExtrusions® PMMA/ABS ATHLONExtrusions® PP+

#### 3 | Wheel cover/mudguard

ATHLONExtrusions® PP+

4 | Side cladding ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® PC-ABS ATHLON*Extrusions*® ASA/ABS ATHLONExtrusions® PP+ ALUCOBOND® (ACM)

# **EQUIPMENT**

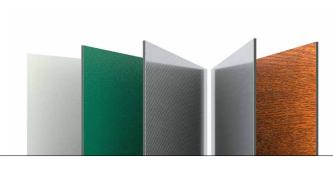


#### 1 | Roof box

ATHLONExtrusions® PMMA/ABS ATHLON*Extrusions*® ASA/ABS ATHLON*Extrusions*® PP+

**2 | Transport box** ATHLON*Extrusions*® PMMA/ABS ATHLON*Extrusions*® ASA/ABS ATHLON*Extrusions*® PP+

# PRODUCT OVERVIEW



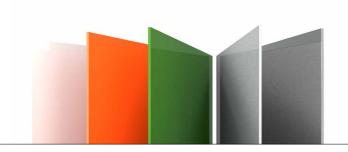
#### ROBUST AND INDIVIDUAL.

#### ATHLONExtrusions® ABS

Very versatile thermoplastic composite sheet.

Thicknesses: 1.5 - 8 mm

- Superior impact strength
- Robust and durable
- Wide choice of different colours, surfaces and textures
- Easy processing
- Wide thermoforming temperature range
- Very wide range of grades available to suit a multitude of applications



MULTI-LAYER WITH AN EXCELLENT SURFACE FINISH.

#### ATHLONExtrusions® PMMA/ABS

Multi-layer, combination of PMMA co-extruded on high impact ABS.

Thicknesses: 1.5 – 10 mm | Furniture quality 0.7 – 2 mm

- Excellent A-face finish in a range of matt levels
- Good scratch resistance
- Improved chemical resistance
- Outstanding UV stability
- Extremely wide variety of colours including metallic and special effects
- Easy processing during thermoforming



VERSATILE MULT-LAYER ENGINEERING PLASTIC.

#### ATHLONExtrusions® PC-ABS

Engineering thermoplastic material made of polycarbonate and ABS with excellent impact strength, with high temperature resistance and excellent chemical resistance.

Thicknesses: 1 - 10 mm

### ■ Very high impact strength

- Excellent rigidity
- Outstanding temperature resistance



# VERSATILE MATERIAL – AVAILABLE IN ROLL FORM OR AS SHEETS.

#### ATHLONExtrusions® HIPS

Versatile, economical, solid thermoplastic.

Thicknesses: 1 – 6 mm

- Easy processing in flat sheet and thermoforming applications
- Available in an infinite range of opaque colours including special effects
- Can be extruded in gloss or matt
- Also available in a variety of matt finish surface textures



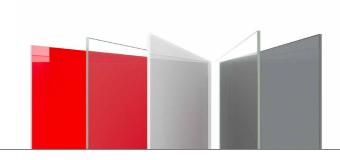
HEAT RESISTANT AND EXTREMELY HIGH IMPACT STRENGTH.

#### ATHLONExtrusions® PP+

Talc-filled, extremely high impact strength styrene.

Thicknesses: 2 – 5 mm | 2 – 6 mm with surface texture

- Similar vacuum-forming characteristics to styrene materials, with fast cycle times, a relatively wide moulding temperature window and low post moulding shrinkage rates in comparison to alternative polyolefins
- Existing tooling designed for styrene materials can generally be used for ATHLON*Extrusions*® PP+



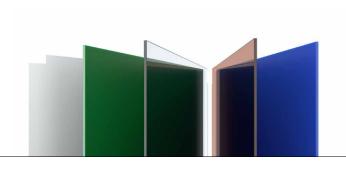
EXTRUDED ACRYLIC IN BRILLIANT CLARITY.

#### **CRYLON®**

Large-format, extruded acrylic glass sheets featuring outstanding clarity.

Thicknesses: 1 – 25 mm

- First-rate optical characteristics
- Excellent colour rendering
- Varying degrees of transparency
- Very good level of resistance to weathering and ageing
- Solutions for a variety of indoor and outdoor applications



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

#### **HIPEX**®

Flawlessly extruded A-PET and PET-G thermoplastic polyester sheets.

Thicknesses: HIPEX® A 0.5 – 6 mm, HIPEX® G 0.5 – 20 mm



■ Extremely impact resistant

- High transparency
- Fire rated "difficult-to-ignite" in accordance with EN 13501-1: B-s1, d0
- Interior and exterior applications
- We recommend versions featuring UV- protection for exterior use
- Ideal formability
- HIPEX® A ideally suited to flat and arched applications HIPEX® G suited to complex thermoforming

VERSATILE, EFFECTIVE, ATTRACTIVE.

#### POLYCASA® PS

Extruded crystal polystyrene sheets with good resistance to chemicals and high stability.

Thicknesses: 0.85 – 5 mm

■ Numerous colours and designs available especially for shower cabin manufacture

■ Versatile material for sanitary equipment and also for interior glazing and lighting



ENHANCED IMPACT RESISTANCE. EASY TO CUT AND FORM.

#### POLYCASA® HIPS

Rubber modified polystyrene sheet.

Thicknesses: 0.5 – 10 mm

- Improved impact strength
- Easy processing
- Available with matt finish on both sides or in matt/glossy versions
- Very good electrical insulating properties
- Excellent printability
- Suitable for thermoforming



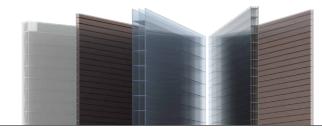
EXTRUDED POLYCARBONATE SHEETS WITH EXCELLENT IMPACT STRENGTH.

#### **IMPEX**®

Large-format, virtually unbreakable extruded polycarbonate sheets.

Thicknesses: 1 – 20 mm

- Excellent optical and mechanical properties
- Variety of different surfaces
- Very high impact strength
- Interior and exterior applications
- IMPEX® HC version, with abrasion resistant coating on one or both sides, especially suitable for flat applications less sensitive to scratches and higher resistance to many chemicals and solvents



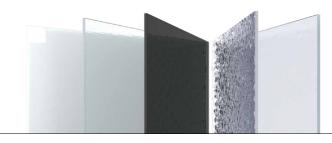
EXTRUDED MULTIWALL POLYCARBONATE SHEETS WITH HIGH IMPACT RESISTANCE.

#### **IMPEX® MULTIWALL**

Extruded, multiwall, virtually unbreakable polycarbonate sheets with outstanding resistance to weathering.

Thicknesses: 4 – 25 mm

- Lightweight
- Outstanding optical properties
- High impact strength
- Very good weather resistance
- Cold and hot insulation propertiesInterior and exterior applications
- Different profile designs



LIGHTER, BUT STIFFER.

#### POLYCASA® SAN

Extruded Styrene Acrylonitrile (SAN) copolymer sheets with good optical properties and glossy surface.

Thicknesses: 1.5 – 6 mm

- Interior and exterior applications
- We recommend versions with UV- protection for exterior use
- Special characteristics distinguishing it from conventional transparent materials:
   Reduced weight, considerably more rigid, outstanding resistance to water and chemical absorption
- Ideally suitable for glazing industrial doors: low weight, UV-resistant



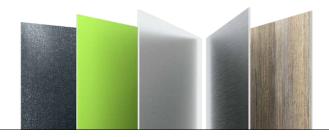
THE HONEYCOMB PANEL AMONGST ALUMINIUM COMPOSITE PANELS.

#### **ALUCORE®**

Aluminium composite panel consisting of two cover sheets and an aluminium honeycomb core.

Thicknesses: 6 – 25 mm

- Rigidity
- Very lightweight
- Excellent flatness
- Formability
- Wide range of formats and thicknesses
- Easy processing
- Optimum strength values



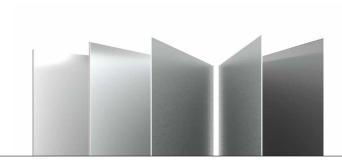
THE ORIGINAL ALUMINIUM COMPOSITE PANEL.

#### **ALUCOBOND®**

Aluminium composite panels consisting of two aluminium cover sheets and various core materials.

Thicknesses: 3/4/6 mm

- Good formability
- Flatness
- Stability
- Weather resistance
- Impressive weight to stiffness ratio, even for large format panels
- Extensive range of different surface finishes



VERY THIN AND EXTREMELY FLEXIBLE.

#### **HYLITE®**

Aluminium composite sheet with a polypropylene core and aluminium cover sheets.

Thicknesses: 1.2/2 mm

- Thinnest of all composite panels
- Core material features a special hinge function (withstands repeated bending without damage)
- High temperature resistance



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

#### **KAPA®tech**

Innovative lightweight foamboard with polyurethane foam core and aluminium cover layers.

Thicknesses: 5/10 mm

- Lightweight
- Rigid
- Core is weather-resistant and resistant to humidity
- Interior and exterior applications
- "Difficult-to-ignite" in accordance with EN 13501-1: B-s2, d0



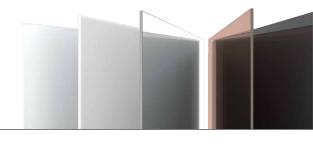
SOPHISTICATED TECHNOLOGY.

#### **KAPA®inlay**

Lightweight foamboard with a closed-cell polyurethane foam core and both-sides polyester non-woven composite surface layers.

Thicknesses: 3 – 20 mm

- Carrier plate for an extensive range of coatings
- Easy to handle due to low weight
- Significant weight reduction in comparison to plywood and MDF
- Good dimensional stability
- Reduced amount of adhesive required thanks to the closed surface
- Moisture and temperature-resistant
- Solvent resistant and chemically inert



A CLEAR CHOICE.

#### **LUMEX®**

Transparent extruded A-PET and PET-G thermoplastic polyester sheets.

Thicknesses: LUMEX® A 0.5 – 6 mm, LUMEX® G 0.5 – 10 mm

- High impact strength
- Good outdoor durability with version featuring UV protection
- Light weight and speedy processing
- "Difficult-to-ignite" in accordance with EN 13501-1: B-s1, d0
- Suitable for applications in the foodstuffs sector
- LUMEX®A (A-PET) especially suitable for cold bending, LUMEX®G (PET-G) for vacuum and thermoforming



# THE ULTIMATE BLEND OF BEAUTY AND STRENGTH.

#### **ASTERITE® AS**

High performance, top-quality cast acrylic glass sheet material.

Thicknesses: 3.2 – 12 mm

- Ideal for the manufacture of high quality sanitary equipment
- Especially developed for first-rate thermoforming
- Aesthetic and hardwearing
- Excellent processing and surface qualities
- Almost every colour can be matched



HIGH QUALITY LIQUID ACRYLIC RESIN.

#### **ASTERITE® LAR**

Liquid Acrylic Resin (LAR)

- Production of moulded articles such as solid surface, engineered stone and cast embedments
- Especially designed for the manufacture of solid surface sheets and premium shaped articles
- Designed to be durable
- Extremely robust, resistant to UV light and chemicals



PMMA RESIN: HIGH RIGIDITY, VISCOSITY AND IMPACT STRENGTH.

#### **LUCRYL®**

PMMA Resin

- Available in many opaque and transparent colours
- Excellent level of transparency and brilliance
- Good surface hardness
- High scratch resistance
- Good resistance to weathering
- Suitable for extrusion and injection moulding

# **SERVICE**

# WIDE RANGE OF COLOURS



- Library of over 20.000 colours across our sites
- Short lead time on colour matches
- UV resistance



#### Colour lab

- State of the art colour spectrometers In-house colour compounding
- FTIR Microscope for the polymer analysis
- Ability to analyse and identify various contaminants in plastic sheets
- Ability to identify multi-layer sheets and films



#### Masterbatch

# **EXTRAS**



- In-house hard coating
- Increased abrasion resistance
- Less sensitive against scratches
- Good impact resistance
- High resistance to many chemicals and solvents



Cut-to-size

- Tight tolerances
- Secure supply chain

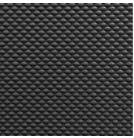


- Project support
- Mock-Ups
- Training
- Workshops

# **TEXTURES**

OUR ATHLONExtrusions® PRODUCT RANGE OFFERS NUMEROUS TEXTURES.

#### Connect



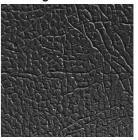
available for ATHLONExtrusions® ABS | PMMA/ABS | ASA/ABS | HIPS

#### **Pinseal**



available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS | HIPS | PP+

#### Leathergrain

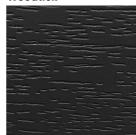


ATHLONExtrusions®
ABS | PMMA/ABS | ASA/ABS | HIPS | PP+



available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS | HIPS | PP+

#### Woodtick



available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS

#### Deepseal



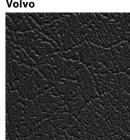
available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS | HIPS

#### Sandstone



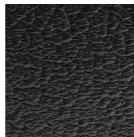
available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS | HIPS

#### Volvo



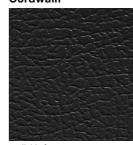
available for ATHLONExtrusions® ABS | PMMA/ABS | ASA/ABS

#### Texas



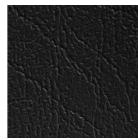
available for ATHLON*Extrusions*® ABS | PMMA/ABS | ASA/ABS

#### Cordwain



available for ATHLON*Extrusions*®
ABS | PMMA/ABS | ASA/ABS | PP+

#### Rhino



available for ATHLON*Extrusions*®
ABS | PMMA/ABS | ASA/ABS | HIPS

#### Roebuck



available for ATHLONExtrusions®
ABS | PMMA/ABS | ASA/ABS

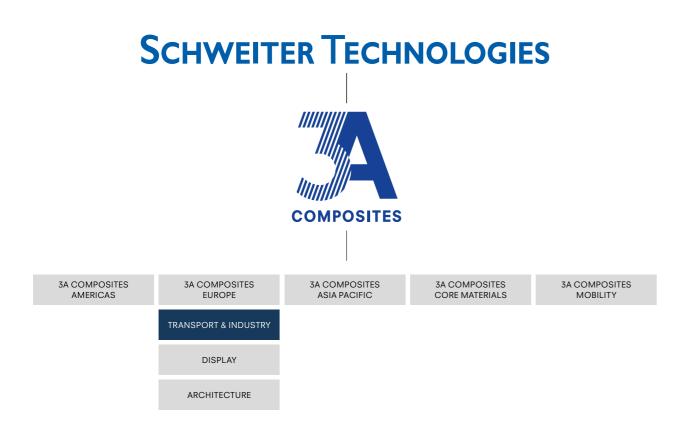
As printed textures may vary from the actual product, please request a sample.

# **ABOUT US**

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 plastic sheets and resin, 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.

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.



If you require further information, are interested in talking to an 3A Composites expert or would like to request a sample, please feel free to contact us: **www.transport-industry.com/contact** 

