

interpro

INTERNATIONAL PROFILES

ABOUT US



History

InterPro is more than a corporation; it is the culmination of a business dream that began with a passion to transform aluminium into a key material for strategic sectors at a global level. Since it was founded in 2023, **InterPro** has maintained a clear focus: to innovate, build strong partnerships, and lead with integrity. This vision was strengthened by its integration into prestigious American, European, and international groups, each time partnering with companies that share the same values of excellence, commitment, and honesty.

Today, **InterPro** is a key player in the aluminium sector, developing real, sustainable, and customised solutions for clients around the world. Its success lies in a combination of tradition, innovation, and a focus on the needs of each client.

Our origins: A dream that grew

InterPro was born as a response to the demands of a market seeking lighter, stronger, and more sustainable materials.

With a philosophy focused on quality and precision, the company began its journey in the industrial sector offering essential aluminium components that revolutionised manufacturing processes.

Its collaboration with major groups around the world marked a turning point in its history. This collaboration allowed **InterPro** to benefit from decades of experience, advanced resources, and an international network that enabled it to rapidly expand at a global level.

A legacy of innovation

From the very beginning, InterPro has stood out for:

- Introducing innovative technologies in aluminium manufacturing.
- Developing products that adapt to the specific needs of industrial sectors.
- Establishing a business model based on sustainability and efficiency.

Mission and vision: Our strategic direction

Mission:

To offer aluminium solutions that combine innovation, precision, and sustainability, providing our customers with added value and making a difference in every sector in which we operate.

Vision:

To be the strategic partner of choice for our customers, contributing to their success by providing advanced, effective, and reliable solutions for their projects and building long-term relationships.

Values

We make it happen:

We have an entrepreneurial mindset and take the initiative in order to make an impact. We take risks and learn quickly from experience. We are decisive and committed to continuous improvement and we use the enthusiasm and positive energy of others to grow.

We are passionate about our customers' success:

We build lasting partnerships with our customers. We listen to our partners and act on their feedback to enhance the value of what we offer. Together we achieve success.

We communicate openly and respectfully with each other:

We value and respect each other's opinions, encouraging dialogue and active listening. We share ideas, ask questions, and challenge assumptions with a constructive approach. We appreciate openness and view everyone's feedback as an opportunity for improvement. We continually adapt our communication to meet the needs of our distributed team, promoting collaboration and mutual understanding.

We win as a team:

We are passionate about our work and our team. We encourage collaboration from the outset and leverage the strength of our collective experience. We celebrate and recognise our collective achievements, strengthening the spirit of unity and commitment that drives us to success.



Key milestones in our history

Since its foundation, InterPro has achieved significant milestones that have defined its path:



2023

InterPro was founded as part of United Exports Pro-Group, UXPRO, with a focus on the European industrial sector.

2024

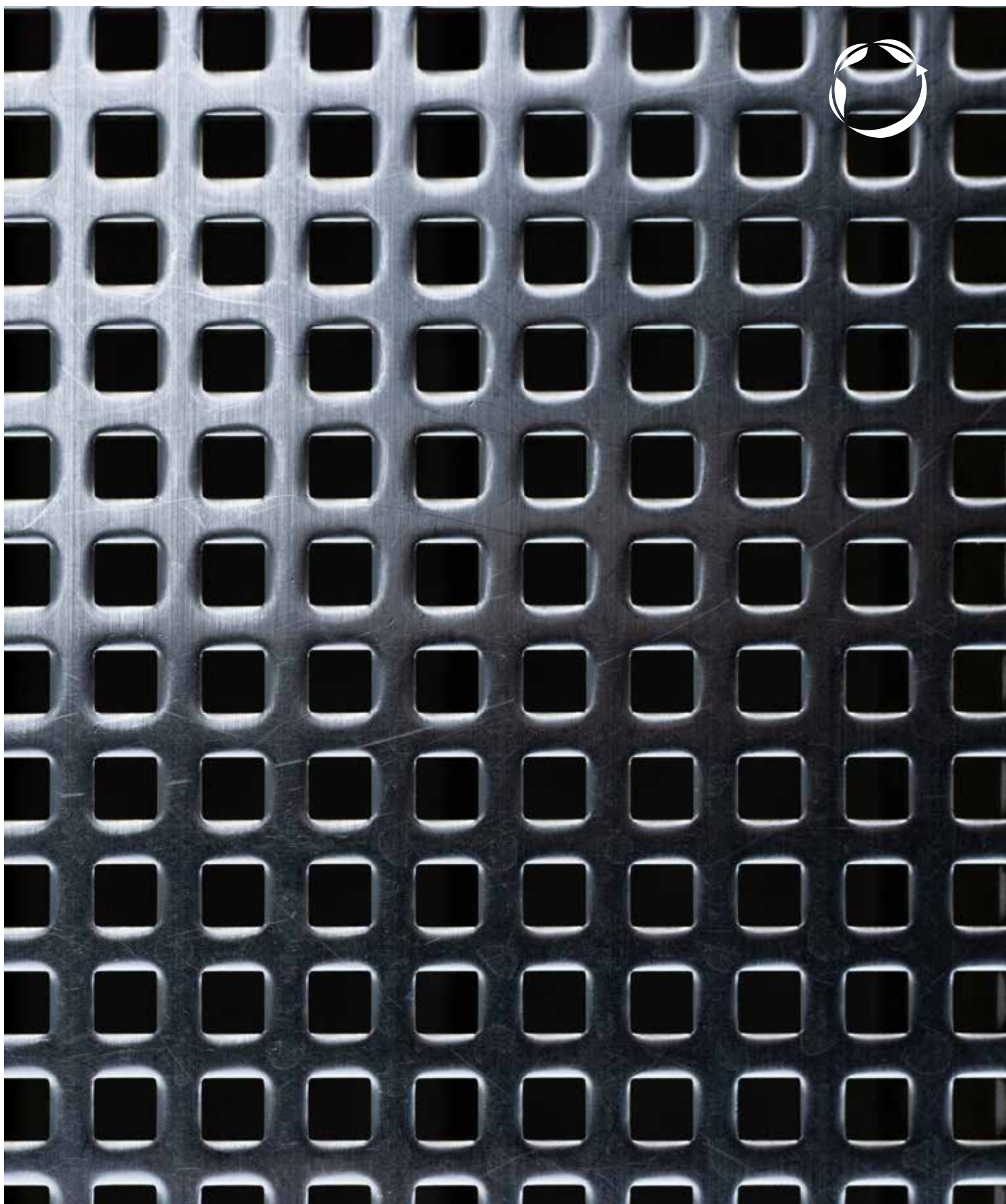
The network of supplier partners and clients was expanded to the Americas, Asia, and the Middle East, entering residential, commercial, and architectural markets. Launch of the product line for renewable energy sectors.



2025

Launch of its architectural systems line for the American market. Strategic raw materials businesses were consolidated in the Middle East.

SERVICES



Purchasing and Sales

At InterPro, we facilitate the purchase and sale of high-quality aluminium, connecting reliable suppliers with clients around the world. Our approach is focused on ensuring secure, fast transactions tailored to the specific needs of each client.

Purchasing services

Supplier selection: We collaborate with reliable manufacturers and distributors to guarantee the quality of the aluminium purchased.

Personalised negotiation: We manage commercial agreements to ensure the best price and quality.

Quality control: We verify that materials meet the required specifications before purchase.

Sales services

Extensive product catalogue: We offer aluminium solutions, such as billets, sheets, machined parts, and others.

Personalised service: We adapt our solutions to the needs of the end customer.

Process transparency: We keep clients informed regarding the conditions of the transaction at all times.

Imports and exports

At InterPro, we facilitate aluminium import and export operations globally. Thanks to our experience and network of international partners, we guarantee the efficient handling of customs processes and logistics.

Import services

Customs management: We take care of all the documentation necessary to ensure a smooth and efficient process.

Origin verification: We ensure that materials comply with international regulations and quality standards.

On-time delivery: We coordinate each step in order to ensure products arrive on time.

Export services

International logistics: We work with our strategic partners to ensure the efficiency of our global deliveries.

Regulatory compliance: We ensure that all products comply with local and international regulations.

Business consulting: We provide assistance to our clients to identify the most promising international markets.





International logistics

International logistics is one of the pillars of our service. At InterPro, we coordinate the global supply chain to ensure fast, secure, and optimised deliveries.

Logistics solutions

Multimodal transport: We coordinate transport by land, sea and air to ensure flexibility and efficiency.

Real-time tracking: We offer digital technology to track each shipment wherever it may be in the world.

Risk management: We minimise risks during transportation by means of insurance and continued verification.

Benefits of our international logistics

1. Global network:

Access to an extensive network of reliable logistics operators.

2. Cost optimisation:

We design routes and processes with a focus on efficiency to reduce expenses.

3. Regulatory compliance:

We ensure that each shipment meets legal and safety requirements.



Warehousing

At InterPro, we offer warehousing services designed to optimise inventory management. Our warehouses are strategically located to facilitate local and international distribution.

Features of our warehouses

Capacity: Spacious areas for storing large volumes of aluminium products.

Quality control: Ongoing inspection and maintenance of the materials stored.

Accessibility: Facilities are located close to major transportation routes.

Warehousing services

1. Inventory management:

Detailed tracking of incoming and outgoing products.

2. Order picking:

Assembly and packaging for customised deliveries.

3. Temporary storage:

Flexible solutions for clients with short-term storage needs.

Consulting

At **InterPro**, our team of experts offers consulting services to help optimise processes, select materials, and maximise profitability in your aluminium-related projects.

Areas of consulting

Material selection: We recommend the most suitable type of aluminium for each application.

Logistics optimisation: We offer advice to reduce transportation and storage costs.

Regulatory compliance: We provide assistance to ensure your products comply with local and international regulations.

Benefits of our consulting

- 1. Cost savings:** Identification of areas of the supply chain where improvements can be made.
- 2. Operational efficiency:** Customised solutions to improve processes.
- 3. Access to international expertise:** In-depth knowledge of the global aluminium market.



Presence

InterPro's global presence allows us to help clients anywhere in the world. The interactive map below highlights our strategic locations and areas of operation.

Benefits of our international network

- Speed:** Optimised lead time thanks to our proximity to key clients.
- Coverage:** Ability to operate in both emerging and established markets.
- Local support:** We have local teams in each region to provide personalised support.





LME Updates

We offer real-time updates on aluminium prices on the London Metal Exchange (LME). This allows our clients to make informed decisions based on market trends.

What is the LME?

The London Metal Exchange is the leading global marketplace for trading non-ferrous metals, including aluminium. LME prices are a key indicator for aluminium producers, distributors, and buyers.

LME update services

Daily prices: Consult price updates to make strategic decisions.

Trend analysis: Detailed reports on market changes.

Custom alerts: Real-time notifications of significant changes.

PRODUCTS



Scrap aluminium: A detailed overview

Overview

Aluminium is one of the most recycled and valuable materials in the scrap industry. Scrap aluminium comes in a variety of forms, each with its own characteristics and recycling applications. The most common categories include post-consumer scrap, clean scrap from aluminium extrusion or rolling, scrap profiles of 90/10 and 95/5 aluminium, UBC (used beverage can), and aluminium electrical cable.

Post-consumer scrap is taken from aluminium products discarded by consumers, such as beverage cans, kitchen utensils, and window frames. This form of scrap is essential in recycling processes due to the large amount of aluminium available for reuse.

On the other hand, clean scrap from aluminium extrusion or rolling comes from industrial processes where aluminium has been used in the manufacture of products such as profiles and aluminium sheets.

Other forms of aluminium scrap include scrap profiles of 90/10 and 95/5 aluminium, the numbers referring to the ratio of pure aluminium to other metals. UBCs are an abundant source of recyclable aluminium, and aluminium electrical cable, found in energy and telecommunications installations, also constitutes a valuable source of scrap for recycling. All of these forms of scrap are critical to the production of new aluminium products and to reducing environmental impact by reusing material.

Scrap cleaning process

The process of cleaning scrap aluminium is crucial to ensuring the quality of the recycled material. The first step is to collect the scrap from recycling centres, factories, and other locations. The scrap is then sorted and separated according to the type and purity of the aluminium.

Once sorted, the scrap undergoes a cleaning process that includes the removal of contaminants such as organic residues, plastics, and other metals. This is done using magnetic separation techniques, chemical baths, and heat treatments. The cleaned scrap is then melted in special furnaces, where any remaining impurities are removed.

Finally, the molten aluminium is poured into moulds to form RSI (Remelt Secondary Ingots), which are used as the raw material for the production of new aluminium products. This process not only conserves natural resources but also reduces greenhouse gas emissions and energy consumption in aluminium production.



Categories



Post-consumer scrap



Clean scrap from aluminium extrusion or rolling



Scrap profiles of 90/10 and 95/5 aluminium



UBC (Used Beverage Can)



Aluminium electrical cable



Other forms of aluminium scrap

Primary aluminium: Process and categories

From bauxite to primary aluminium ingots

Primary aluminium is essentially raw aluminium obtained through a complex industrial process that starts with the mining of bauxite and culminates in the production of ingots. The stages of the process are described in detail below, as well as the characteristics and chemical compositions of the most common ingots: A7, A8, and P1020.

The process of primary aluminium production

Bauxite extraction

The process begins with the mining of bauxite, the main source of aluminium. Bauxite is found primarily in tropical and subtropical regions, and is mined in open-pit mining. Once mined, the bauxite is crushed and washed to remove impurities.

Production of alumina

Crushed bauxite is processed using the Bayer process to obtain alumina (aluminium oxide). This process involves dissolving bauxite in a sodium hydroxide solution at high temperature and pressure. The alumina is subsequently precipitated as a pure white powder.

Electrolytic Reduction

Alumina undergoes an electrolytic reduction process in electrolysis cells that contain a bath of molten cryolite. This process, which is known as the Hall-Héroult process, uses electric current to separate the aluminium and the oxygen. The molten aluminium collects at the bottom of the cell.

Ingot Production

Molten aluminium is removed from the electrolytic cells and poured into moulds to form primary aluminium ingots. These ingots can vary in size and purity depending on their end use. The most common ingots include A7, A8, and P1020.

Categories of primary aluminium ingots

Ingot A7

Ingots A7 are known for their high purity. This type of ingot is widely used in industrial applications that require high-quality aluminium.

Category	Chemical Composition	Purity
A7	Al: 99.7%, Fe: $\leq$ 0.18%, Si: $\leq$ 0.10%	99.7%

Ingot A8

The ingot A8 is even purer than the A7 and is used in specialised applications where extremely high purity is required.

Category	Chemical Composition	Purity
A8	Al: 99.8%, Fe: $\leq$ 0.16%, Si: $\leq$ 0.08%	99.8%

Ingot P1020

The ingot P1020 is one of the most common types of primary aluminium and is used in a wide variety of industrial and commercial applications.

Category	Chemical Composition	Purity
P1020	Al: 99.5%, Fe: $\leq$ 0.20%, Si: $\leq$ 0.10%	99.5%



In short, primary aluminium is an essential material in numerous industries and applications due to its lightness, strength, and conductivity. The process to make ingots from bauxite involves several stages that ensure the purity and quality of the final product. Ingots A7, A8, and P1020 represent different purity levels and are used in various applications depending on their specific characteristics.

Aluminium billet for the Extrusion Process

Description and smelting process

Aluminium billet used for the extrusion process

The aluminium billet is a fundamental form in the extrusion industry, where it is transformed into aluminium profiles of various shapes and sizes. These billets are available in various different alloys, each with specific properties that make them suitable for different applications. The most common diameters are 7", 8", 9", and 10".

Aluminium alloys

The chemical compositions and applications of some common alloys used in extrusion are detailed below:

- **6060:** This alloy contains approximately 0.3–0.6% magnesium and 0.3–0.6% silicon. It is known for its excellent corrosion resistance and good weldability, making it ideal for architectural structures and window frames.
- **6063:** Composed of 0.2–0.6% magnesium and 0.45–0.9% silicon, this alloy has good mechanical strength and high-quality surface finishes. It is primarily used in structural and decorative profiles for construction.
- **6005:** With a content of 0.6–0.9% magnesium and 0.6–0.9% silicon, this alloy has greater strength than 6063, making it suitable for applications requiring greater structural strength, such as in the transportation and automotive industries.
- **6082:** Containing 0.7–1.3% magnesium and 0.6–1.2% silicon, it is noted for its high corrosion resistance and is used in the naval industry, bridge structures, and cranes.
- **6061:** Includes 0.8–1.2% magnesium, 0.4–0.8% silicon, and 0.15–0.4% copper, providing an excellent combination of mechanical strength, corrosion resistance, and ease of machining. It is commonly used in aeronautical and automotive components, and building structures.
- **7000 series:** These alloys, such as 7075, contain approximately 5.6–6.1% zinc, along with small amounts of magnesium and copper, providing extremely high strength. They are used in applications with demanding requirements, such as aerospace, military, and high-performance automotive industries.



ALLOYS

Composition

	6005		6060		6061		6063		6082	
%	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Si	0,50	0,90	0,30	0,60	0,40	0,80	0,20	0,60	0,70	1,30
Fe		0,35	0,10	0,30		0,70		0,35		0,50
Cu		0,30		0,10	0,15	0,40		0,10	0,15	0,10
Mn		0,50		0,10		0,15		0,10	0,40	1,00
Mg	0,40	0,70	0,35	0,60	0,80	1,20	0,45	0,90	0,60	1,20
Cr		0,30		0,05	0,04	0,35		0,10		0,25
Ni										
Zn		0,20		0,15		0,25		0,10		0,20
Ti		0,10		0,10		0,15		0,10		0,10
Otros		0,15		0,15		0,15		0,15		0,15
Al		Resto		Resto		Resto		Resto		Resto

Equivalent names

	6005	6060	6061	6063	6082
International ISO standard 	Al SiMg(A)	Al MgSi	Al Mg1SiCu	Al Mg0,7Si	Al Si1MgMn
Europe EN standard 	EN AW 6005A	EN AW 6060	EN AW 6061	EN AW 6063	EN AW 6082
Spain UNE standard 	L-3454	L-3441	L-3420	L-3441	L-3451
Germany DIN standard 	AlMgSi0,7	AlMgSi0,5	AlMg1SiCu	AlMgSi0,5	AlMgSi1
France AFNOR* standard 	A-GS0.5	A-GS	A-GSUC	A-GS	A-GSM0.7
United Kingdom BS* standard 	-	H9	H20	H9	H30
USA AA standard 	6005	6026	6061	6063	6082

*Previous names

Product Formats

n accordance with EN 573-3

		6005	6060	6061	6063	6082
Forgi		●		●		●
Wire	Electrical conduction					
	Welding					
	Machining			●		●
Calibrated product		●		●	●	●
Extruded product		●		●	●	●
Foil						
Finstock						
Laminates				●		●
Packaging material						
Discs				●		●
Welded tubes						●

Typical physical properties

	6005	6060	6061	6063	6082
Elastic Modulus E N/mm ²	69,500	69,500	70,000	69,500	70,000
Transverse Elastic Modulus G N/mm ²	26,200	26,100	26,300	26,100	26,400
Specific Weight g/cm ³	2.71	2.82	2.70	2.70	2.71
Melting Range °C	605–655	610–655	580–650	615–655	575–650
Coefficient of linear expansion μm/ mK	23.3	23.4	23.3	23.5	23.1
Thermal conductivity W/ mK	193	195–209	155–180	193–218	167–216
Electrical resistivity μΩ m	35	32–35	37–43	30–35	31–41
Electrical conductivity % IACS	49.5	48–54	40–46.5	49.5–57.5	42–55.5
Reduction potential V	–0.83	–0.80	–0.83	–0.80	–0.83



ALLOYS

Technological suitability

	6005	6060	6061	6063	6082
Welding					
Torch	●	●	●	●	●
Argon gas welding	▲	▲	▲	▲	▲
Electrical resistance	●	●	●	●	●
Brazing	●	▲	●	▲	●
Anodised					
For protection	▲	▲	▲	▲	▲
Decorative	●	▲	●	▲	●
Hard anodised	●	▲	●	▲	●
Transformation processes					
Swarf fragmentation	●	●	☆	●	●
Surface gloss	▲	▲	▲	▲	▲
Cold forming	●	●	●	●	☆
Deep drawing	●	●	●	●	☆
Coating					
Lacquered	●	▲	●	▲	●
Galvanised	●	●	●	●	●
Electroless nickel	●	●	●	●	●
Natural behaviour					
In a rural environment	▲	▲	●	▲	▲
In an industrial environment	●	●	●	●	●
In a marine environment	●	●	●	●	●
In seawater	●	●	●	●	●
Food					
Food use	▲	▲	▲	▲	▲

Key

Very good ▲ Good ● Fair ☆ Poor/avoid *

Observations

6005

Extrusion alloy mainly used for complex structural profiles that are subjected to stress. This alloy has superior characteristics to the 6060/6063 alloy although it has a lower extrudability index.

In its T5 state it has a superior surface finish, better straightness and clearer and more regular anodising.

6060

This alloy, along with 6063, is the most widely used for profile extrusion due to its high extrudability index. It has inferior mechanical characteristics when compared to alloys 6005 and 6082, but its greater extrusion capacity allows for more complex sections.

6061

This alloy was developed to provide the mechanical characteristics between alloy 6063 and the aluminium-Copper and aluminium-Zinc alloys.

The time between tempering and artificial ageing should be no greater than 2 hours. This alloy, which can be hardened by heat treatment, has good weldability but loses almost 30% of its tensile strength in the area of the weld. It has many industrial applications such as the manufacture of moulds, dies, machinery and tools, etc.

6063

This alloy, along with 6060, is the most widely used for profile extrusion due to its high extrudability index. It has inferior mechanical characteristics when compared to alloys 6005 and 6082, but its greater extrusion capacity allows for more complex sections.

This alloy has numerous applications and is the main alloy used in carpentry and architectural products as well as for standardised profiles.

6082

This alloy is used in both extrusion and lacquered products. It has average mechanical characteristics and good forgeability.

It has good weldability but loses almost 30% of its tensile strength in the welded area, so ageing treatment is recommended to recover the lost characteristics.

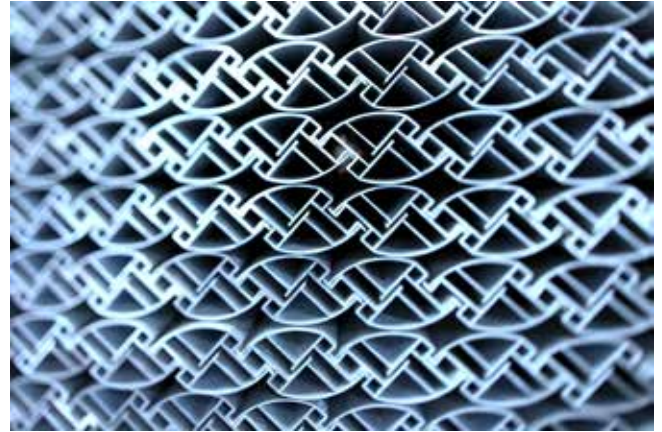
It has a slightly lower extrusion index than 6060/6063 alloys, but its superior mechanical characteristics make it suitable for complex profiles that are subjected to stress.

Extruded aluminium

Flexible to create whatever profile you need

We offer comprehensive solutions and a professional service in all the projects we work on. We use processes that adapt to your idea and generate the solutions that your product requires.

- We receive a physical sample, prototype, or drawing of the profile required by the client.
- Based on the client's sample, we conduct a feasibility analysis to review commercial tolerances and specific product requirements.
- We produce a project quote for the client's review and approval.
- As soon as we receive confirmation, we create the dies according to the conditions stipulated with the client.
- The mould or die for the product is created, along with operating instructions for the internal equipment.
- Before delivering a sample to the client, we conduct quality control and durability tests and verify the functional conditions and specified measurements.
- Finally, when the client approves the test profile, we begin serial production of the aluminium profiles.



Architectural systems

At InterPro we have partnered with Europe's leading system developers to offer our clients around the world modern, secure solutions that are tailored to each of their projects.

Suppliers



We develop creative and specific solutions for your architectural projects:

Commercial



Façades



Residential



Interior Design



With the most commonly used finishes on the market and the development of specific finishes for your project, we can make a difference with close collaboration between our technical department and the project developers.

Our systems have been tested in private laboratories to ensure the best performance in terms of water permeability, wind resistance, and impact resistance, so that they can meet the technical specifications of each product.



PERMEABILITY TO AIR:



class 1

class 2

class 3

class 4

WATERTIGHTNESS:



1A

2A

3A

4A

5A

6A

7A

8A

9A

WIND RESISTANCE:



1C

2C

3C

4C

5C

Architectural fittings

At InterPro, we specialise in hardware for architectural systems, both for aluminium and uPVC. We specialise in tilt-and-turn, lift-and-slide, and tilt-and-slide systems, including specific and standard all accessories for these systems.

Tilt-and-Turn



Lift-and-Slide



Tilt-and-Slide



Accessories



With the most commonly used finishes on the market and the development of specific finishes for your project, we can make a difference with close collaboration between our technical department and the project developers.



Machined parts

Our goal at InterPro is to simplify our clients' work and processes:

ENGINEERING

From the moment we receive a design, our client will feel the benefit of working with a team with extensive experience and the most innovative technology.

MANUFACTURING

From the simplest machined parts to complex assemblies with various components and materials, we have the experience and knowledge to successfully complete these projects.

ASSEMBLY

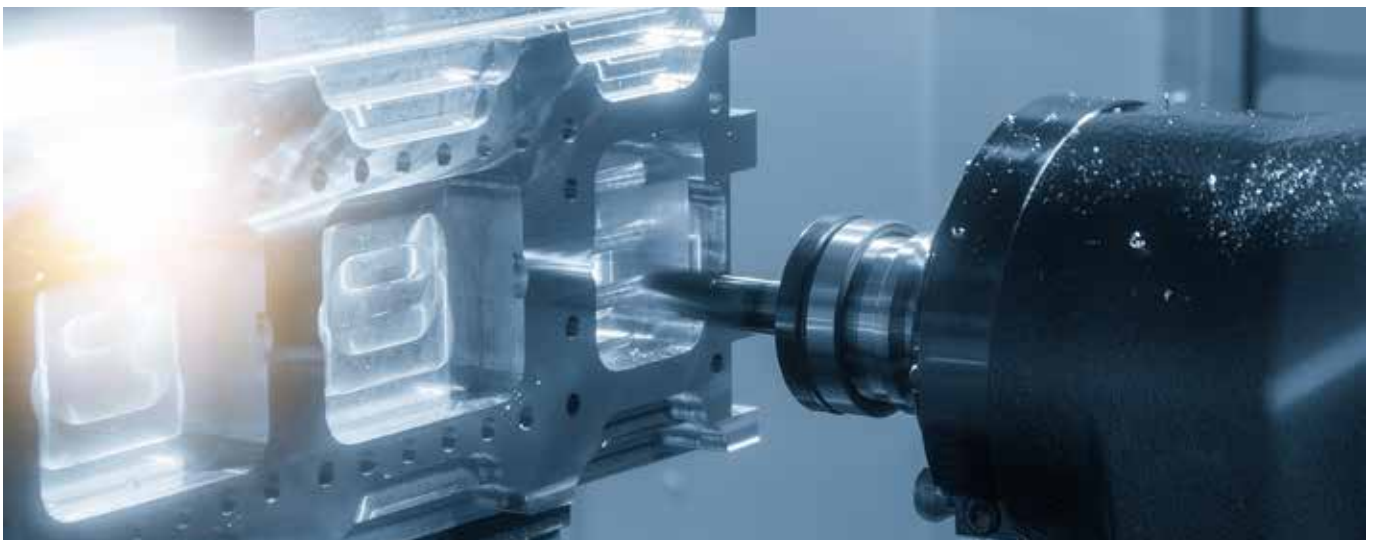
We are constantly developing elements in specific areas of our production systems to facilitate and improve the assembly of the elements that make up a final part, so our client can enjoy the finished product.

PACKAGING

We specialise in assessing the risks involved in transporting and storing parts. We always strive to respect our clients' packaging standards, while also suggesting improvements to ensure the best packaging tailored to each product.

DELIVERY

We know that time is a critical factor in all projects, which is why our logistics department, with the support of our production team, aims to deliver projects using the "JUST IN TIME" philosophy.



**SOLENOID VALVE
BASE**

ALLOY
EN AW 6082 T6

PROCESS
5-axis machining

FINISH
15µ red anodised

DIMENSIONS
50 x 50 x 18 mm.

**GRINDER**

ALLOY
EN AW 6082 T6

PROCESS
4-axis machining

FINISH
15µ blue anodised

DIMENSIONS
160 x 50 mm.

**BICYCLE AXLE**

ALLOY
EN AW 7075 T6

PROCESS
Mill turning

FINISH
15µ red anodised

DIMENSIONS
67 x 81 mm.

**FOOTREST**

ALLOY
EN AW 6060 T4

PROCESS
3-axis milling
+ Assembly

FINISH
15µ red anodised

DIMENSIONS
220 x 80 x D.22 mm.

**HAND GUARD**

ALLOY
EN AW 6082 T6

PROCESS
4-axis machining

FINISH
Vibration + Sandblasting
+ Hard natural anodized

DIMENSIONS
62 x 47 x 370 mm.

**REGULATOR**

ALLOY
EN AW 6060 T6

PROCESS
Assembly

FINISH
15µ silver anodised

DIMENSIONS
50 x 20 x 20 mm.

**TRAIN FOOTBOARD**

ALLOY
EN AW 6005A T6

PROCESS
5-axis machining

FINISH
Shot blasting

DIMENSIONS
150 x 160 x 2,055 mm.

**LOCKING LEVER**

ALLOY
EN AW 6005A T6

PROCESS
4-axis machining

FINISH
Anodised 20µ

DIMENSIONS
14 x 50 mm.

Aluminium coils and sheets

At InterPro we know that choosing the right product is fundamental to the success of a project. That's why we offer effective advice when taking decisions related to our Aluminium Coil and Sheet product line. Our coil and sheet products are available in:

1xxx series alloys, 2xxx

series alloys, and 5xxx

series alloys



in
Asia

in the
USA

in
Europe

in
Spain





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