



Beyond Additives



Akdeniz Chemson



Australia



Austria



China



Brazil



Türkiye



U.S.A

Who We Are

Our story began in 1942 Cookson from Wallsend near Newcastle upon Tyne in England starts producing lead salts as stabilisers for flexible PVC. Shortly after, Cookson opens a production plant in Sydney/Australia.

In 1976, when Akdeniz Kimya was incorporated in Izmir, Türkiye as a company to manufacture and market PVC stabilizers and other industrial chemicals.

In 1986, the German stabiliser manufacturers Chemetall and the English Cookson Group merged their activities into a single joint venture as Chemson with headquarters in Frankfurt am Main, Germany. The company began operating from sites in Germany, England and Australia. In 2000 Chemson Polymer Additive AG is founded in Arnoldstein/Austria as a part of a management buy out.

In 2012, Akdeniz Kimya joined Türkiye's OYAK Group of companies. One year later, the Chemson Group became part of the OYAK Group as well. With its robust corporate structure, its dedication to transparency, its strong financial infrastructure and growth commitment in chemistry, OYAK supported both companies to develop and produce innovative solutions.

In September 2020, these two strong brands merged into Akdeniz Chemson, of the leading producers of polymer additives, and the world market leader in the field of PVC stabilizer products. Focused on quality, innovation and sustainability, the company works as a "one-stop-shop" for clients around the world, in order to supply all their needs in formulation.

A world leader in PVC stabilizers, Akdeniz Chemson is a vertically integrated company that manufactures many of its raw materials at its state-of-the art production facilities.

The company has garnered strong trust in domestic and international markets with the quality of its products. The company fosters a purposeful brand image, committed to building trust with a people-oriented approach and a sustainable business model.

With decades of experience, the company constantly keeps updating its production base and infrastructure. Akdeniz Chemson has developed its product range to meet the growing use of PVC in the world, and currently manufactures stabilizers as well as related additives. Akdeniz Chemson is one of the world's leading companies in this field and meets all customer demands with its integrated production plants and top-quality products.

Akdeniz Chemson leads the sector its investments pursuing a broad vision of continuous development in quality, HR, and sustainability. In the present day, the company continues to operate in Australia, Austria, Brazil, China, Germany, Great Britain, Türkiye and the United States; and has the support of a robust global service network at its disposal.

Technologies that were not even conceivable yesterday can be crucial for the success of companies tomorrow.

Changes to the technical possibilities, environmental regulations and economic imperatives of the PVC industry constantly demand new, increasingly more innovative stabilising systems. In today's world, innovation is not just a luxury, but a keystone of corporate survival. We constantly work to renew and improve our products and production processes.



Our History

In 1976, Akdeniz Kimya was founded in İzmir, Türkiye.

1942

Our story began in 1942 Cookson from Wallsend near Newcastle upon Tyne in England.

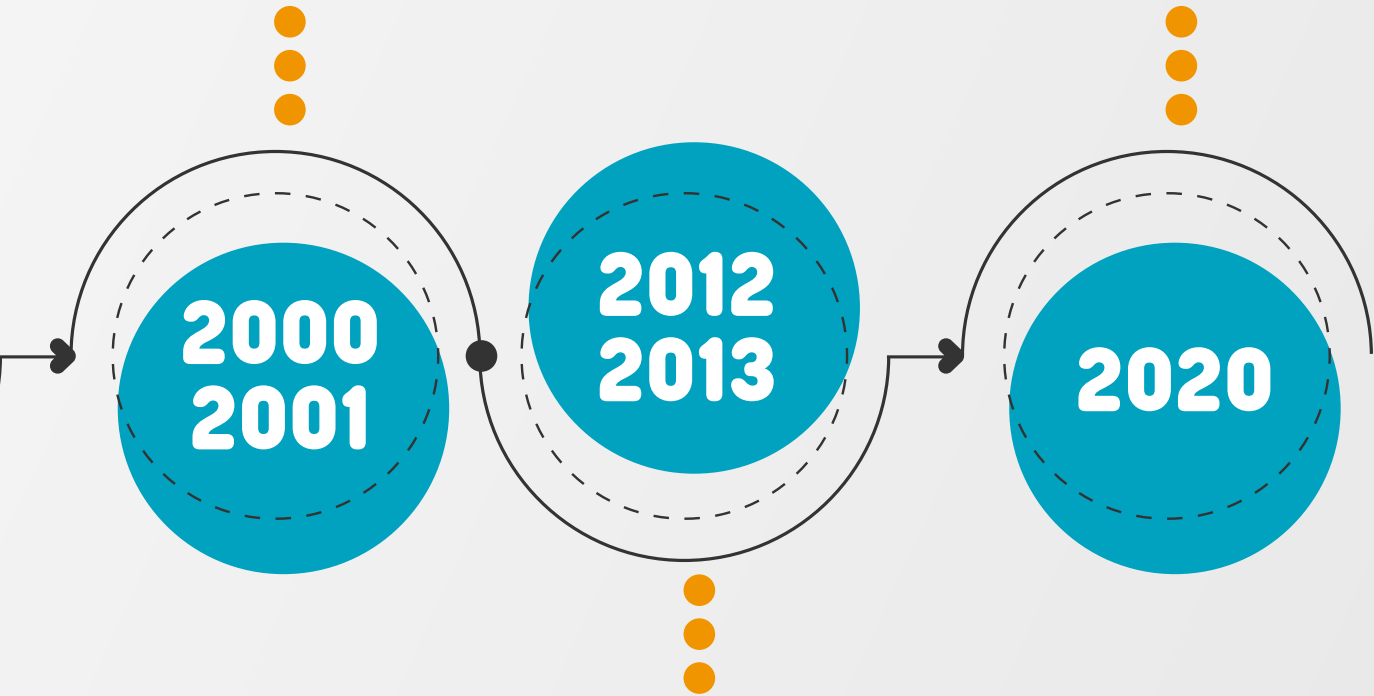
1976

The German manufacturer Chemetall and UK-Based Cookson Group merged. Chemson was born in Frankfurt, Germany.

1986

In 2001 Chemson entered the Chinese market and its subsidiary Chemetall moved the stabilizer business to Brazil.

These two strong brands merged into Akdeniz Chemson and became the leader of the global PVC stabilizers market.



Akdeniz Kimya joined Türkiye's OYAK Group. A year later, the Chemson Group was acquired by OYAK as well.

Akdeniz Chemson in Numbers

We united under the umbrella of OYAK and became a global leader.

We manufacture all around the world.

5 CONTINENTS

1000+ COLLEAGUES

80+ YEARS OF EXPERIENCE

Number **1** In PVC
Stabilizers

412K t

Total production capacity

**Most integrated PVC
additives manufacturer**





A Global Leader in PVC Stabilizers



AMERICA

USA
BRAZIL

ASIA PACIFIC

AUSTRALIA
CHINA

EUROPE

AUSTRIA
● GERMANY
● UNITED KINGDOM
TÜRKİYE (● İstanbul - İzmir)

● Sales Office ● Factory



Beyond Additives

Innovative products that facilitate PVC processes.

The use of additives in the production of materials used in many applications from window panels to cables to pipes to flooring is essential to make modern life more comfortable and sustainable. Stabilizers and additives provide adequate heat stability for PVC during processing; protect the end product from changes caused by heat, UV radiation, oxygen, and impact; and extend the economic life of products.

Akdeniz Chemson, one of the leading manufacturers of polymer additives, and the leader of the global PVC stabilizers market, focuses on quality, innovation, and sustainability. Akdeniz Chemson offers tailor-made solutions with its stabilization systems and high-quality products that meet all the demands of customers and have the desired end-product properties.

Akdeniz Chemson shall continue to grow and go beyond additives!

Our Solutions

We provide "ALL" for you:

- PVC Stabilizers,
- Other PVC Additives,
- Other Additives.

Akdeniz Chemson serves as a unique one-stop shop to offer efficiency and convenience.



Innovation Focused R&D

Changes in the technical capabilities, environmental regulations, and economic imperatives in the PVC industry lead to a constant demand for new and increasingly innovative stabilization systems. Today, innovation is not just a luxury, but the key to corporate survival. We constantly strive to renew and improve our products and production processes.





Vertically-Integrated Production

We produce almost all the chemical intermediates used in the production of one-pack stabilizers.

This allows us :

- To have globally high quality standards in manufacturing
- To provide trusted and consistent services all over the world
- To be a self-sufficient player in the market

Akdeniz Chemson is the most integrated PVC additive manufacturer including acrylic products, lubricants, co-stabilizers and metallic soaps.

Customer-Centric Approach

Akdeniz Chemson, a global leader in PVC stabilizers, is a vertically-integrated company that manufactures most of its raw materials at its state-of-the-art production facilities. With its Professional Sales Network and Expertise in Global Product Development, Akdeniz Chemson provides customers with tailor-made solutions with high-quality products and stabilizer systems. Thanks to its global know-how, Akdeniz Chemson offers fast delivery, excellent technical service, and customer-centric solutions.



Products

Akdeniz Chemson manufactures a wide range of industry-leading chemical products.

Stabilizers

Stabilizers are combinations of chemicals required for the processing of PVC and play a critical role in the development of a final product of the desired quality and with the desired level of durability. Combined with lubricants and other additives, Akdeniz Chemson's stabilizer portfolio includes tailor-made solutions for end-product performance requirements.

Metallic Soaps

Metallic soaps are the products of a reaction between a metal oxide or a metal hydroxide and fatty acids of various lengths (C8 to C22) and have co-stabilizing and internal/external lubricant functions in PVC formulations. The most common examples are the Al, Ba, Ca, Pb, Mg and Zn soaps of stearic, lauric, and benzoic acids. The main stabilizing function of metallic soaps is to serve as an HCl acceptor during PVC processing.

Metallic Salts

Metallic salts can be used to adjust rheology, stability, and color. These salts, which are the salts of inorganic acids, can have a hydrophobic coating. Inorganic-Organic salts of lead compounds are the most abundant, cost-effective, and common types of stabilizers used in PVC applications. They have excellent heat stabilizing properties and are used to manufacture PVC products with a long service life.

Beta-Diketones

Beta-diketones are an important group of co-stabilizers for calcium-/zinc-based systems. Beta-diketone derivatives commonly used in PVC formulations include stearoyl benzoyl methane (SBM), dibenzoylmethane (DBM), and the calcium and zinc complexes of acetylacetone.

Hydrotalcites

Layered double hydroxides, also known as hydrotalcites, are a group of naturally occurring anionic clays with the general chemical formula $Mg_6Al_2(OH)_{16}CO_3 \cdot 4H_2O$. Hydrotalcites have proven to be very effective as PVC stabilizers thanks to their good acid scavenging properties resulting from their exceptional anion-exchange properties. Hydrotalcites remarkably enhance the performance of Ca-/Zn-based stabilization systems.

Lubricants

Typical lubricants used in PVC formulations include hydrocarbon waxes, metallic stearates, fatty acid esters, wax esters, and amide waxes. Lubricants are grouped under three main sub-categories: external lubricants, internal lubricants, and combined lubricants.

Acrylic Impact Modifiers

Impact modifiers increase the impact strength of thermoplastics and thermosets to ensure the recovery of their initial brittleness, and provide UV resistance, excellent color stability, and durability.

Acrylic Processing Aids

Acrylic processing aids are used in many PVC

applications including rigid foams, pipes, window profiles, and sheets. Acrylic processing aids are copolymers of methyl methacrylate and other types of acrylic monomers. Acrylic processing aids increase processing capacity, ensure the stability of the final thermoplastic product, and facilitate certain post-processing operations such as thermoforming. Acrylic processing aids are used in many PVC applications including rigid foams, pipe, window profiles, and sheets.

Zinc Borate

Zinc borate is used as a smoke suppressant and flame retardant in a wide range of applications such as plastics, rubber, textiles, paints, adhesives, pigments, and ceramics. In plastic and rubber applications, it synergizes with main flame retardants such as ATH and increases their activity. Zinc borate does not form toxic and corrosive gases during combustion, and it is an environment-friendly compound. Zinc borate can be used in both halogen-containing and halogen-free flame retardant formulations.

Anti-Corrosive Pigments

Zinc phosphate, which is used especially in paints applied on metals, is one of the most important anti-corrosive pigments.

Other Products

- Titanium Dioxide
- Stearic Acid
- Epoxy Soybean Oil (ESBO ALPEX 5-6)
- Chlorinated Polyethylene (CPE 800)





1961

The fund is a defined contribution plan subject to the Armed Forces Pension Fund Act enacted in 1961

460.000+

Number of Members

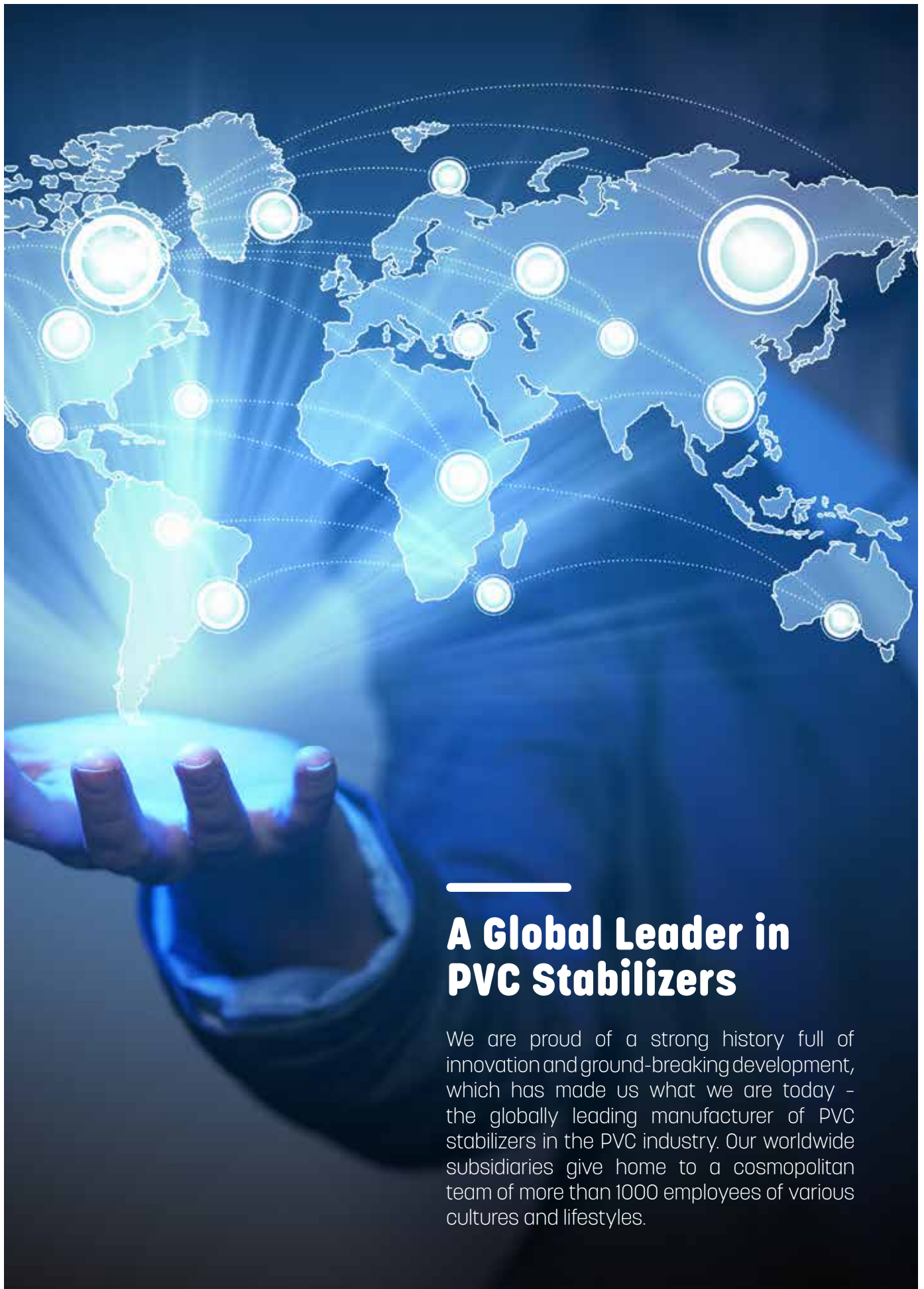
38.000+

Employees

Strong Financial Structure

The OYAK Group is one of the largest groups in Türkiye with its companies. Akdeniz Chemson contributes greatly to its financial strength.





A Global Leader in PVC Stabilizers

We are proud of a strong history full of innovation and ground-breaking development, which has made us what we are today – the globally leading manufacturer of PVC stabilizers in the PVC industry. Our worldwide subsidiaries give home to a cosmopolitan team of more than 1000 employees of various cultures and lifestyles.

Commitment to Sustainability

Akdeniz Chemson constantly identifies sustainability risks and opportunities and improves its performance by meeting international monitoring standards in line with OYAK's Sustainability Policy and Strategy.

At Akdeniz Chemson, sustainability management processes are carried out with the integrated participation of top management, as well as our employees.

We implement the ISO 14001:2015 Environmental Management System and operate responsibly in all our plants at all times. Our production plant in Izmir holds the ISO 45001:2018 and ISO 27001 (Information Security Management) certificates. We consider the health of our employees, customers, end users, and society at every step of our activities.



In all our activities, we aim to create more value by using fewer resources. We strive to reduce emissions and waste and to ensure the efficient use of energy. All OYAK subsidiaries work towards the same efficiency and environmental responsibility goal.

VinylPlus® Supplier Certificates





We Are The Formula

We embarked on this journey together, and each of us contributed to its success.

There is a formula for success. A formula that gives us competitive advantage and strengthens us to move forward even in the toughest times.

This formula is based on the connection among us. Thanks to this connection, our work means something to all of us. We are all proud of our products, our work and our results.

Thanks to this connection, we shape the present and future of Akdeniz Chemson.

Our differences make us stronger and more colorful. When they come together, we become the formula.

Key Features



**State-of-the
Art Production
Process**



**Innovation
Focused
R&D**



**Vertically
Integrated
Company**



**Customer
Centric-
Approach**





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EUROPE

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United Kingdom

Türkiye / Izmir

Türkiye / Istanbul



We bring innovative ideas to life with technology

In today's world, innovation is not just luxury, but a keystone of corporate survival. We constantly work on renewing and improving our products and processes.





www.akdenizchemson.com

