

40
YEARS
PRODUCTION



IMAGE BROCHURE
USE THE BLUE TECHNOLOGY.

ISO
CHEMIE

THE KEY TO EVERY SOLUTION IS A GOOD IDEA

We turn foam ideas into innovations for a more comfortable present and a better future. Foam is our speciality. That means we have something in common. Why?

You drive your car, enjoy the cosy warmth of your house or like doing sport in your free time. All these things are related to foams. Foam products offer visible and invisible protection and promote comfort. Whether as building sealants, as vibration and noise insulation in vehicles or as swimming aids in water sport, for example. Foam products are also ideal for the safe packaging and transport of high-quality goods and devices.

Join us in this brochure for a tour through the many fields of application for foam and the respective developments by our company.



Josef Deiß & Dr. Martin J. Deiß
Managing Partners



HISTORY 04

More than 40 years of success 05



BUILDING SEALANTS 06

Sealing Systems 08
 Fenestration 10
 General Construction 11
 Industrial / Commercial buildings 12
 Fire Protection 13
 Timber Frame Houses 14
 Metal Facade Construction 15



FOAM TECHNOLOGY 16

Sport, Leisure, Promotion 17
 Technical Applications 18
 Transport & Packaging 19



PHILOSOPHY 20

Low emission products 21
 Environment certification 21



RESPONSIBILITY 22

Sustainability initiative 23

MORE THAN 40 YEARS OF SUCCESS IN FOAM TECHNOLOGY

ISO-Chemie has been developing, producing and distributing innovative foam products for a wide range of different markets and purposes for more than 40 years.

Alongside the field of building sealants, the area of „Technical Foams“ is an important role in our company’s business orientation. Grown from our original manufacturing and sales facility in Aalen Germany, we now have our own additional sales offices and logistic centres in several European countries e. g. UK, France, Poland, Italy, Spain, the Balkans and Scandinavia and are represented by partner companies on the international markets in many other countries too. Many customers all over the world put their trust in our company’s innovative products.

40
YEARS
PRODUCTION

1977

1983



ISO-Chemie GmbH is set up with its administrative offices in Aalen by Josef Deiß as Managing Director.



The company’s first purpose-built production and administration building is opened in Röntgenstraße in Aalen.

2002



Success continues. We celebrate the company’s 25-year jubilee and take over the sealing technology division of Salamander Industrie Produkte GmbH in Türkheim.

2007

2009



Continuing our international success we set up our first British branch and product warehouse in the north of England.



Following 30 years of continued growth we establish our first branch office with product warehouse in France.

Our presence in the European market is extended with the establishment of our sales offices in Austria / Balkan States.



As demand and success grow, we extend our existing facilities by a 10,000m² building with new production areas, offices and a modern training centre.



2010

Certification to the international environment management standard ISO 14001 is an outward sign of our commitment to our sustainability strategy.



2013

After 40 years of ISO-Chemie we establish a sales office for the Spanish market.



2017

2011

2012



Extension of our international activities with the foundation of a sales office for the Polish market.



We can look back proudly on 35 years of ISO-Chemie and issue our first EPDs (Environment Product Declarations) for sealing tapes and technical parts.

2014

2016



Due to increased demand we set up a sales office for the Italian market.



The company continues to grow. We establish a sales office in Finland and thus strengthen the distribution in the Scandinavian market.

2020



In our 40th anniversary year, we are calling the future concept „BAUFUGE 4.0“ for the next generation of building sealing into life.



The company grounds in Aalen are expanded by a warehouse and production hall.

MODERN SEALING TECHNOLOGY ESSENTIAL ON CONSTRUCTION SITES

The technical requirements for energy-efficient and long-term building seals are increasing all the time. Our innovative product solutions have a positive effect on the energy balance of buildings, at the same time promoting a healthy internal climate.

Factors such as air-tightness, permanent movement, weather-resistance, emissions free, thermal and acoustic insulation as well as humidity and fire protection are important properties of a standard conforming building seal.

The constant quality of our sealing systems is monitored regularly by independent institutes according to the very latest standards and regulations.





OUR SEALING SYSTEMS AT A GLANCE

ISO³-WINDOW SEALING SYSTEM

AIRTIGHTNESS, INSULATION AND WEATHER PROTECTION ALL FROM A SINGLE SOURCE

Our ISO³-WINDOW SEALING SYSTEM includes a range of window connection films for time-saving and air tight sealing, as well as permanently elastic, impregnated PUR sealing tapes which serve as weather protection as well as being used for thermal and acoustic insulation. In addition, we can also supply you in front of wall installations with multi-functional joint sealing tapes which combine all three functions in one product. Furthermore we also supply sealants and PUR-foams.



ISO³-FACADE SEALING SYSTEM

INNOVATIVE JOINT SEAL FOR FACADES, ROOFS AND INTERIOR FITTINGS

Facade joints are exposed to extreme stresses caused by the weather influences and building design. You can rely on the products from ISO³-FACADE SEALING SYSTEM, which offer a long-lasting, reliable and energy saving seal for structural facade elements.



ISO^M-METAL BUILDING SEALING SYSTEM

THE FIRST IFBS-TESTED SEALING SYSTEM FOR LIGHT-GAUGE METAL STRUCTURES

Light-gauge metal joint constructions are exposed to many climatic and mechanical stresses. This demands a joint sealing system that is able to withstand the relevant building design requirements such as thermal insulation, airtightness, acoustic insulation and moisture-protection, fire protection and temperature fluctuations.



ISO^F-FIRE PROTECTION SYSTEM

PATENTED FIREPROOF PARTITION SYSTEMS FOR FACADES, JOINTS AND OPENINGS IN WALLS AND CEILINGS

Fire protection is a central component of building safety. In the event of a fire, our fire protection system guarantees to prevent the spread of fire and smoke and the components will remain stable for a specified period. All fire protection products are subject to regular internal and external controls.



ISO^μ-TIMBER SEALING SYSTEM

EFFECTIVE PROTECTION FROM ENERGY COSTS AND STRUCTURAL DAMAGE

Our ISO^μ-TIMBER SEALING SYSTEM makes the sealing of moving joints simple and reliable. This is because our quality-tested system products compensate joint movements safely, and at the same time are optimised for use as a humidity and vapour barrier. This is necessary because joints in timber constructions are subject to heavy loads.



ISO^E-EWI SEALING SYSTEM

THE SEALING SYSTEM FOR SPECIAL ENERGY SAVING

Our ISO^E-EWI SEALING SYSTEM contains all the sealing components required for the simple and secure connection of external thermal insulation composite systems (EWI) to building openings and projections. It is has been optimised particularly for the straightforward, secure and fast connection of EWI elements to windows and doors as well as in the roof and base areas, thus enabling you to meet all structural-physical requirements professionally without any problems at all.





WINDOW SEALING IN LINE WITH GEG REQUIREMENTS

The German Building Energy Act (Gebäudeenergiegesetz GEG) requires buildings to be permanently airtight sealed in order to significantly reduce the heat lost through building joints.

An GEG-compliant window seal protects against unpleasant drafts, energy losses and prevents structural damage caused by damp.

Our ISO³-WINDOW SEALING SYSTEM meets the strict GEG requirements as well as the recommendations published by the RAL quality assurance association for windows and doors in the "installation guide" and can be fitted easily and cleanly, saving not only energy but working time as well.





PHYSICALLY CORRECT SEALING OF BUILDING JOINTS

Designers, installers and ultimately the inhabitants of the building depend on innovative products to make energy savings. Our reliable and durable building seals make this possible.

Whether or not the building envelope of the building remains sealed depends to a major extent on the permanent airtight and rainproof sealing of building joints. In solid construction work, the sealing between concrete elements is particularly important.

Our joint sealing tapes have been used successfully for years in both renovation work and new constructions for the reliable sealing of joints in building façades.



"NEW EXHIBITION CENTRE", STUTTGART
SEALING TAPE ISO-MEMBRA SX

Steel cassette sandwich elements sealed with ISO-Membra SX on the cross section and longitudinal joints in order to avoid thermal and acoustic bridges.



ALL-ROUND PROTECTION
FOR JOINTS IN METAL AND COMPOSITE CLADDING

When industrial buildings are planned aesthetic wishes come up against economic, structural engineering and structural-physical requirements. Light-gauge metal joint constructions in particular are exposed to many climatic and mechanical stresses.

We have developed a special range of seals to cope with the airtight and rainproof sealing of wall and ceiling structures with steel cassette profiles and sandwich elements.

With us as your partner, it's now possible to obtain the complete sealing components for sealing buildings with lightweight metal construction.



PATENTED FIREPROOF SEALING SYSTEMS FOR JOINTS AND OPENINGS IN WALLS AND CEILINGS

Fire protection is a central component of building safety. Respective fire protection measures must be taken into consideration right from the beginning when plans are made for the use of the building.

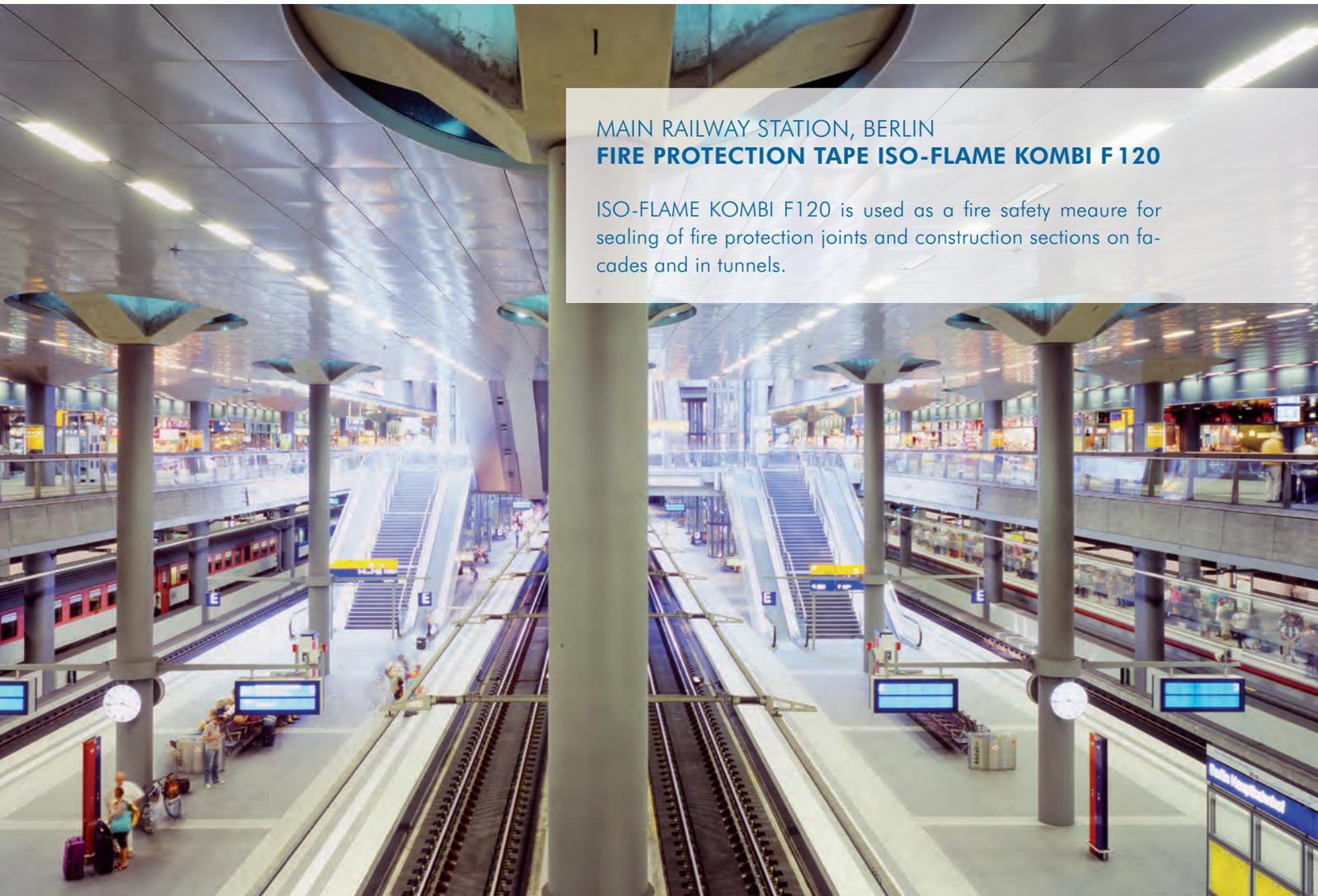
Whether or not a building conforms with modern safety requirements depends on its division into suitable fire areas. Specially approved materials used for sealing joints as well as pipe and cable ducts.

Factors such as fire resistance, installation safety and durability are decisive for approval by the building authorities. The ISO^F-FIRE PROTECTION SYSTEM provides the suitable and cost-efficient solution for the correct and approved fireproof sealing of joints as well as openings in walls and ceilings.



MAIN RAILWAY STATION, BERLIN FIRE PROTECTION TAPE ISO-FLAME KOMBI F 120

ISO-FLAME KOMBI F120 is used as a fire safety measure for sealing of fire protection joints and construction sections on facades and in tunnels.





NATURAL BUILDING MATERIALS OF WOOD REQUIRE SPECIAL SEALING OF JOINTS

Modern log cabin and prefabricated timber frame houses are becoming popular due to their green credentials and healthy internal ambient conditions. An important aspect in deciding to choose a timber frame home is the fact that wood is inherently energy efficient and biologically optimal in design and construction. Since wood does not conduct heat, but stores it, it can contribute to sophisticated energy standards in its own right. Timber frame constructions have been in use in the prefab and passive house sector for some time now.

With appropriate insulation and sealing, wooden house structures can become true energy-saving wonders, exceeding the energy saving regulation requirements with ease.



RELIABLE SEALING INSIDE AND OUT

Façade joints are exposed to adverse weather conditions. Conditions such as heat, cold, rain, sun and wind are serious factors that require the use of special joint materials.

In addition, the ISO³-FACADE SEALING SYSTEM offers a standard-conform and practical solution for many connection situations. Areas of applications include the inside and outside sealing of windows, doors and facades.

They seal different components reliably and permanently. You can rely on our products, because they stand up to the physical construction and weather related requirements of professional facade sealing of joints.



IDEAS MADE OF FOAM

INNOVATIVE, INTELLIGENT, INDIVIDUAL

Foam products accompany us in almost all areas of our lives, visibly and invisibly. They make our everyday life more comfortable, and thus make life easier. We have top-class know-how in the field of technical foams for transport & packaging, technical applications as well as sport, leisure and promotion.



FUN AND GAMES WITH OUR PRODUCTS

In times of increasing leisure activities, the market for the equipment required is growing all the time. In this business area, we are creating products that comfortably enhance the fun factor in the water, on land and in the air.

For example we have already turned lots of creative product ideas into sport, leisure and promotional items. Foam products are ideal for sporty water activities.

As a development partner to the games and leisure industry, we are in close contact from the very beginning with our customers. Thanks to our long years of experience, expertise and an eye for what's important, we contribute our own creative solutions to the development process.



ISO-MARKING SYSTEM IKS

Versatile marking options for logos, slogans and labelling



REPRESENTED IN MANY AREAS

The technical areas of application for our foams are almost boundless. Acoustic and thermal insulation, pressure relieve, insulation, sealing, as well as padding and shock absorption are only a few examples of the wide range of uses.

We supply a wide range of different sectors in addition to the automotive and electronics industries. Our products range from flat seals through sealing tapes, profiles and blanks to various moulded parts made of PE, PUR and impregnated foams.



THE PACKAGING MAKES THE DIFFERENCE

We will find exactly the right solution for your needs, whether you want to protect your highly-sensitive devices, present your product range clearly and attractively or simply want to transport sensitive items.

The individuality of the goods to be packed and thereto related requirements mean that we are constantly developing new packaging concepts for PE and PU foams.

We place great emphasis on safety, functionality and an attractive design. We rely on state-of-the-art production processes and manufacturing techniques when implementing our product ideas.



THE NEW GREEN IS BLUE – USE THE BLUE TECHNOLOGY.

The subject of energy saving is more relevant than ever. We are committed to developing new contemporary ideas, offering solutions and triggering innovations. We have been concentrating on the development of energy-efficient and sustainable sealing solutions particularly in the field of building sealing ever since the company was founded. This motivation has led to the launch of a series of environmentally friendly products for the sealing of window, metal, wood and façade constructions, as well as fire protection and external thermal insulation composite systems, all of which contribute to reducing the energy consumption on our blue planet.

As an avowal of the sustainability of our products, we have drawn up Environment Product Declarations (EPDs) for our range of sealing tapes as well as for our technical parts. The EPDs present a comprehensive balance of all the environmental impacts related to the production of our products. These EPDs for sealing tapes, which are unique in the industry, provide both quantified environment-related information from the life cycle of PUR and PE sealing tapes as well as information about how extremely energy-efficient they are and how their use has a positive effect on energy consumption and thus on the environmental balance of buildings.



Even after more than 40 years, we at ISO-Chemie still find the subject of foam technology fascinating and are dedicated with our natural curiosity, creativity and enjoyment of our daily work to developing environmentally friendly and energy-efficient products – for a more comfortable present and a better future.

CLASSIFICATION FOR LOW EMISSION PRODUCTS

Many of our sealing products have been rated as "very low emission" with the GEV mark EMI CODE® EC1 PLUS. This premium classification by the Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V. (GEV) means maximum possible protection against ambient air contamination. Both users and clients are thus guaranteed that these products do not give off hazardous substances into the ambient air and do not represent any risk to health.



ENVIRONMENT CERTIFICATION ACCORDING TO ISO 14001

We make continual efforts to further extend our company's environmental activities. An outward sign of our commitment is certification to the international environmental management standard ISO 14001.

The internationally recognised environmental management system is based on voluntary company measures in the field of environmental protection which contribute to a continual improvement process. For this, we have defined measurable environmental targets, such as waste disposal measures, a further reduction in energy consumption and CO₂ emissions. Other important targets include the sparing use of resources by working with environmentally friendly, harmless, recyclable materials as well as the economical use of water, electricity and raw materials.

Accordingly, our company's environmental policy is aligned to achieving these demanding targets, at the same time adhering to legally binding obligations. The environmental management system is monitored. By an external body at regular intervals in order to achieve continued improvement.

illustration purposes only

WE TAKE RESPONSIBILITY FOR A FUTURE WORTH LIVING

As a manufacturer of energy efficient and sustainable sealing solutions we feel we have an obligation to continually improve the environmental effect of our products and to constantly extend our company's environment activities. However, we don't want this to be just empty words. We act!

Actions that are in line with the needs of the current generation and do not present a hazard to, or limit the possibilities for, future generations. It's important not to simply define values but to live by them. We regard reducing our CO₂ footprint as a major part of our environmental policy. The quality of our products is however always our main priority. As a company certified to ISO 14001 and ISO 9001 we are facing up to our responsibility for a future worth living – completely in line with the company claim "Use the blue technology".

As we see it, both economic and ecological points of view must be taken into consideration when developing forward-looking products. Since the founding of ISO-Chemie over 40 years ago, we are committed to acting responsibly with respect to people and nature. Which is why we use energy- and resource-saving production methods and make sure we use healthy and recyclable materials. For example, we only work with CFC-free and climate-neutral foams that conform to the latest environmental regulations.

We are also making our own contribution to achieving the climate goals agreed in the Kyoto protocol, and the subsequent conferences, by installing a photovoltaic array on the roof of our company building.



CO₂





Sponsor Peter Weis with our bee hive



Our Managing Directors at the inauguration of our insect hotel

ISO-CHEMIE SUSTAINABILITY INITIATIVE

With our sustainability initiative, we want to make a contribution to promote biodiversity at our site and improve the ecological state of the earth.

On our company premises we have created an insect hotel and wild flower meadows to provide nesting sites and a source of food for wild bees and other endangered insects. We are especially pleased about our many „busy co-workers in our sustainability department“ – as we set up a bee hive on the green roof of our company building. We joined forces with NABU Aalen e.V. to put up twelve nest boxes in our company grounds. The first blue tits and redstarts have now hatched their broods.

We also get important assistance from our staff members, who take over sponsorships for individual ecological projects or engage for join-in actions such as “Donate mobile phone – save gorillas”. The recycling proceeds of which will be donated to the Berggorilla & Regenwald Dierkthilfe e.V. (Mountain Gorilla & Rainforest Direct Help, registered organisation) by the Zoological and Botanical Gardens “WILHELMA Stuttgart”.

Furthermore we have been supporting the environmental and wildlife conservation programmes of the WWF (World Wide Fund for Nature) with our donations for several years.



Under water coral Great Barrier Reef ©Troy Mayne_WWF

Use the blue technology.



ISO-Chemie GmbH

Germany

Röntgenstraße 12

73431 Aalen

Tel.: +49 (0)7361 94 90-0

Fax: +49 (0)7361 94 90 90

info@iso-chemie.com

www.iso-chemie.com

France

Tel.: +33 (0)4 78 34 89 75

Fax: +33 (0)4 78 34 87 72

info@iso-chemie.fr

www.iso-chemie.fr

Italy

Tel.: +39 02947 56 159

Fax: +39 02947 56 160

info@iso-chemie.it

www.iso-chemie.it

United Kingdom

Tel.: +44 (0)1207 56 68 67

Fax: +44 (0)1207 56 68 69

info@iso-chemie.co.uk

www.iso-chemie.co.uk

Poland

Tel.: +48 71 88 10 048

Fax: +48 71 88 10 049

info@iso-chemie.pl

www.iso-chemie.pl