

DEVENTER

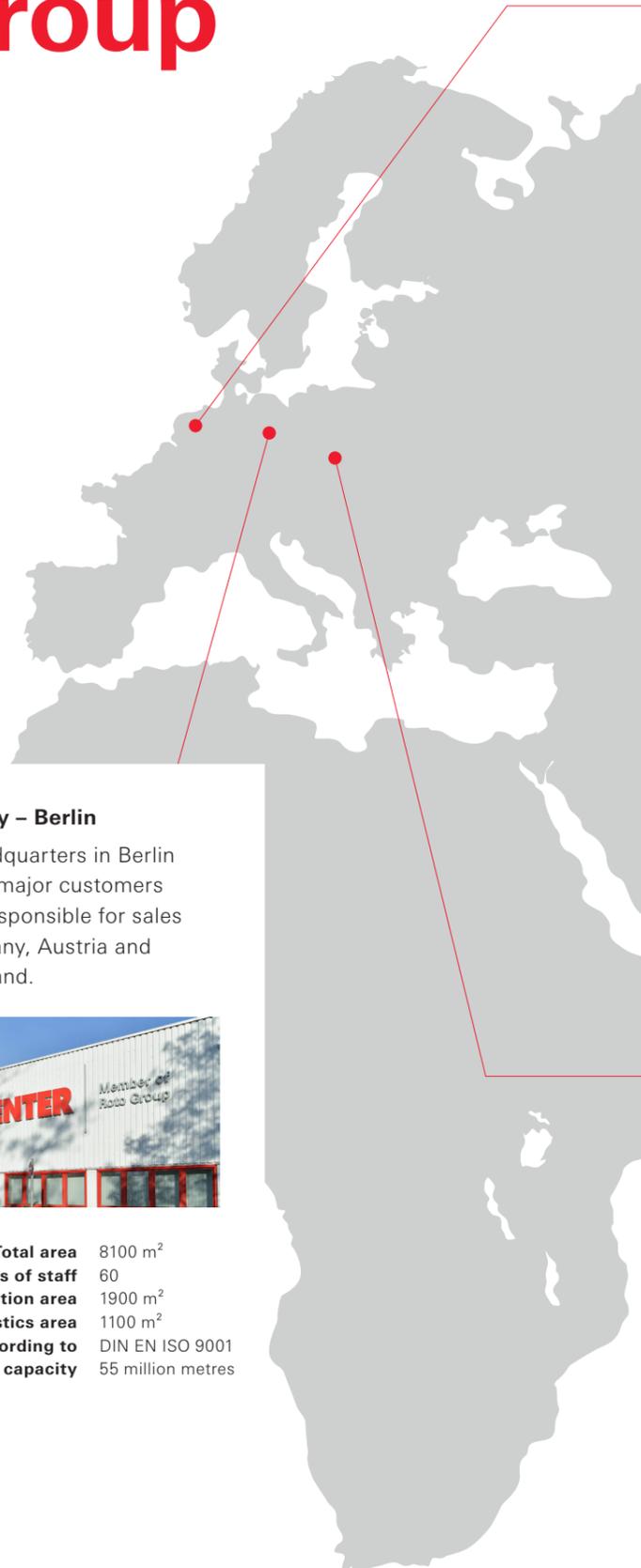
Member of
Roto Group



Deventer Seals

Sealing profiles for windows, doors, facades and more

Deventer Group



Germany – Berlin

The headquarters in Berlin handles major customers and is responsible for sales in Germany, Austria and Switzerland.



Total area 8100 m²
Members of staff 60
Production area 1900 m²
Logistics area 1100 m²
Certified according to DIN EN ISO 9001
Production capacity 55 million metres

Netherlands – Breda

The subsidiary supports aluminium system suppliers, is responsible for sales in Southern and Western Europe and specialises in the manufacture of frames.



Total area 3400 m²
Members of staff 50
Production area 750 m²
Logistics area 950 m²
Certified according to DIN EN ISO 9001
Production capacity 20 million metres

Poland – Sosnowiec

The subsidiary focuses on interior doors, is responsible for sales in Eastern Europe and boasts a capacity similar to that of Berlin.



Total area 14,700 m²
Members of staff 60
Production area 1500 m²
Logistics area 3000 m²
Certified according to DIN EN ISO 9001
Production capacity 45 million metres

Customised. Innovative. Precise.

Our promise to you

The Deventer Group, based in Berlin and with subsidiaries in the Netherlands and in Poland, has been part of Roto Frank Fenster- und Türtechnologie GmbH, which is headquartered in Leinfelden-Echterdingen near Stuttgart, since 2016. As a leading specialist in seals and sealing profiles on windows, doors and facades with seals made of thermoplastic elastomers (TPE), specific PVC formulations and silicone rubber of recognised high quality.

Our customers therefore benefit from an overall concept that goes from the versatile product range right up to the coordinated sales and logistics process.

Why Deventer?

In order to ensure the quality of windows and doors, it is critically important that all components are perfectly coordinated, even as early as during the design phase. The Roto portfolio, including Glas-Tec and hardware, has been extended with the addition of seals from Deventer in order to offer customers system solutions from one provider. The priority is to consistently gear all business processes at Roto Frank Fenster- und Türtechnologie GmbH towards what is relevant from the customers' point of view. Now and in the future.



Expertise

Our production expertise covers a wide variety of sophisticated technologies, including the processing of different material combinations and the use of specialised coatings. By using state-of-the-art extrusion methods and processing aids, we can offer tailored-made solutions.

Our seals and glazing solutions



Windows

Deventer seals are compatible with international window and door systems made of timber, timber-aluminium, aluminium and PVC.



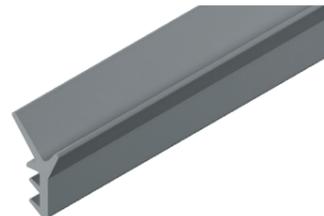
Doors

Main doors and apartment entrance doors meet increased requirements for privacy, burglary inhibition, sound insulation, thermal insulation and weather resistance. They offer reliable solutions for modern living and building concepts.



Interior doors

Our seals for interior doors boast particularly gentle and convenient locking characteristics – far beyond the standard achieved by conventional sealing profiles.



Sliding systems

Lift&Slide doors and windows let a lot of light in over a large area, perfectly illuminating rooms.



Drop down seals

Deventer seals add to the interaction between the frame profile, hardware and glazing blocks – for ultimate sealing against driving rain, moisture, air and noise.



System solutions

Deventer seals add to the interaction between the frame profile, hardware and glazing blocks so that the window fulfils its intended function for a long time to come. By ensuring angularity of the sash, the Glas-Tec glazing blocks are essential for long-term stability and reliable performance.



Window sill seals

Alongside the built-in seals, we also offer window sill seals for additional sealing and protection.



Glazing solutions

Wide range of products and accessories for safe glazing of windows and doors – including wet and dry glazing to seal the glass panel against the frame profile.



Accessories

We offer accessories to make working with our products quick and efficient.

Other business areas

Deventer is active in many different business areas beyond its core expertise. These include seal solutions for the maritime sector, agriculture, interior design and the furniture industry. The portfolio is supplemented by stair profiles and window connection sealing profiles which meet specific requirements for construction and design. This variety underlines Deventer's considerable expertise in applications and its ability to come up with solutions tailored to different industries.



Added value provided by Deventer



Functionality

The raw material and functional areas are perfectly tailored to the requirements of the specific installation situation and to the geometry and raw material of the frame for every sealing profile. This is how Deventer seals offer exceptional performance in order so that our customers receive products with the best possible characteristics, such as sealing against moisture, airflows and noise.



Individuality

Alongside standard solutions for common installation situations, we also develop customised seal solutions. Our in-house test laboratory – validated in accordance with QM 338 by ift Rosenheim – ensures a consistently high standard of quality and correct classification of Deventer seals according to EN 12365-1 to 4.



Closing pressure

Expectations regarding the operating force of windows and doors differ depending on regional or cultural preferences. This is why Deventer often offers two different versions for the same installation situation on the European market: one sealing profile with gentle closing pressure and another one which requires noticeably more force to operate. This makes it possible to individually configure the operating characteristics of windows and doors.

Form follows function – perfectly extruded

Seal technology for windows and doors

Perfect in both form and function – that is our motto, which is the basis for tailored solutions and unique requirements. We have been manufacturing seals in Berlin for over 45 years now, and we have acquired a considerable amount of expertise. Quality and continuous further development are at the forefront for us. Thanks to state-of-the-art production technology and close collaboration with our customers, we develop and produce seals that are often pioneers on the market. All operation steps, from the concept through development right up to production, take place under our roof. In close collaboration with certified test authorities, we can quickly respond to market and customer requirements, and are always working in accordance with the current sector-specific rules and standards.



Recycling

Ultra-pure raw material granules make it possible to recycle manufacturing waste many times over – achieving a very high recycling rate. This reduces the use of raw materials and energy and protects the environment without impacting the outstanding product quality of Deventer seals.



Availability

Each year, high-performance extrusion lines process raw materials in the form of granules to produce more than 100,000 km of sealing profiles with over 700 different profile geometries in more than 20 colours. We monitor the entire production process so we can guarantee that Deventer seals will be available on time.



Delivery reliability

Since 2022, the impressive logistics centre in Leinfelden has been the central delivery warehouse for Deventer seals throughout the whole of Europe. The inventory holding of three to four million running metres ensures products are available quickly – this is how Deventer seals are sent promptly and reliably to you.



When seal and hardware become a single unit

The motto **#perfectmatch** combines both essential components and therefore offers the perfect symbiosis of seal and hardware.

One promise.

Our promise to you

Our motto **#perfectmatch** embodies our claim of offering solutions precisely matched to our customers' requirements. We make every effort to ensure that our products and services exceed your expectations.

Deventer develops seals which are perfectly tailored to the profile geometry and installation situation. The result is windows and doors which can be relied on to work

well – paired with a long service life. This is supplemented by Roto hardware technology designed with security, comfort, energy management and sustainability in mind.

The label **#perfectmatch** represents the perfect symbiosis between seal and hardware, and the optimum coordination of all elements which are crucial to the performance of windows and doors.

As a partner to window and door manufacturers, we develop tailored solutions for high-performance building elements throughout the whole of Europe. A true **#perfectmatch** is achieved from technical precision, cooperation as partners and a profound understand of practice applications.



#perfectmatch

Three components.



Perfect coordination of seal, glass and hardware

Quality is in the details – especially in conjunction with other parts. Only when the seal, glass and hardware are precisely matched to each other is a functioning system created. This is exactly what the partnership between Deventer (seal systems) and Roto (hardware technology) offers: reliable components which work with each other, not simply alongside each other.

The role of a seal

Deventer seals are renowned for their precision and durability. They provide excellent air and driving rain impermeability and sound insulation. They can be flexibly adapted to different rebate geometries, making them an ideal partner for modern window and door systems – particularly when combined with Roto hardware. When it comes to preventive fire protection too, special fire protection seals are an important safety aspect as they effectively stop the spread of fire and smoke.

Glas-Tec: safe construction – optimum sealing

Whether it's double or triple glazing, the glass must be mounted correctly for windows and doors to fulfil their intended function for a long time to come. In conjunction with Deventer seals and Roto hardware, the Roto Glas-Tec system ensures tension-free, neat glazing which remains tightly sealed for a long time – even for large formats or special solutions. As the only connection between the frame and glass edge, spacer blocking plays a pivotal role. Roto offers a wide range of glazing blocks that are stable under continuous pressure and resistant to ageing and temperature, tailored to different frame designs and glass types. With versions such as integrated ventilation channels or stainless-steel inserts for heavy glass, Roto has been setting the standard in spacer blocking technology for over seven decades now.

Roto hardware: technology that keeps its promises

Window hardware from Roto not only boasts impressive reliability and operating convenience, but is also in perfect harmony with seals and the glass structure. The components are easy to install, robust and design for high loads – ideal for everyday use whether in workshops or on construction sites, and ideal for any home, public building or hotel. What's more, they are suitable for automated production processes.

#perfectmatch

State-of-the-art production processes

Deventer focuses on the entire life cycle of a product – from the initial idea through to sustainable disposal. This holistic approach covers all stages: concept development, design, material selection, production, packaging, use and recycling. Maintenance is not performed by Deventer itself, but can be supported by partners like the **Roto Professional Service (RPS)**.

Even as early as the development stage, materials and processes are selected so that they meet the very highest quality standards while conserving resources. State-of-the-art extrusion methods which provide precision, efficiency and flexibility are used for production. Through continuous quality assurance, Deventer can be certain that every product works as it should – for many years.

The company's responsibility does not end once the product is delivered: ease of maintenance and recyclability are key components of the product strategy. This is how we develop seal solutions that not only have impressive technical features, but are also environmentally and economically sustainable.



Service and support

At Deventer, you don't just get high-quality products, but also the certainty that you have all the verification you need.

Our service includes:
The provision of relevant documents for tenders and legal requirements. Examples of this are the Environmental Product Declaration (EPD) in collaboration with the ift Rosenheim, and testing of the VOC emissions of all the raw materials used – with the best possible classification. This is how we help you carry out projects efficiently and in compliance with standards.

The environment as a priority



You can find more information about our current sustainability topics online.

Environmental compatibility of disposal

Depending on the product, our seals consist of single-origin synthetic materials which are easy to separate. This means that these materials are easier to reuse, provided that suitable regional recycling structures are in place. By returning suitable materials to existing recycling processes for synthetic materials, it is generally possible to reduce the use of primary raw materials.

Our aim is to design our products so that they can be disposed of in a way that uses as few resources as possible and is in line with the principles of a circular economy.

Environmental compatibility of seals

When developing our seals, our objective is for material use and energy consumption in production to be efficient. The products are designed for a long service life, helping to conserve resources on the whole.

When it comes to the raw materials used, we ensure these are high-quality and are selected responsibly so they meet the existing technical and regulatory requirements. Our processes are aligned with recognised environmental standards in order to minimise the environmental impact of production.

Environmental compatibility of packaging

For shipping and storing our products, we use packaging materials that are recyclable or contain recycled materials, depending on the product and region. A significant proportion of our cardboard packaging is made of paper-based materials which are generally easy to recycle. The exact composition of the packaging may vary depending on the packaging type and materials that are available locally:

- Reinforced cardboard
- Steel and PVC strapping
- PE sheeting
- Timber frames
- Single-use wooden pallets
- Cable ties
- Elastomer cord
- Reusable boxes from Schäfer

Returning packaging

Cardboard boxes with the INTERSEROH logo are accepted free of charge by all INTERSEROH disposal partners.

The directory of your regional disposal partners can be requested nationwide from headquarters of ISD INTERSEROH GmbH in Cologne:

Phone: 02203 / 9147-322
Deventer INTERSEROH number: 230667

Product variety

Individuality

Our product range – tailored to your application and installation situation. Alongside standard solutions for common installation situations, we also develop customised seal solutions. It goes without saying that we offer standardised designs, catalogue products and stock products. Our core line of business is the development of bespoke sealing profiles, tailored to customers' requirements and preferences.

Functionality

The custom-designed products are optimised for the best possible performance and handling, particularly in terms of operating forces. The sealing profiles are tailored to the material and geometry of the frame. Deventer seals ensure exceptional sealing.

In close partnership with customers, particular focus is placed on economical processing during development.

We deliberately take advantage of the opportunities afforded to us by our high-quality raw materials. Our most important material and we why have chosen to concentrate on it:

TPE – thermoplastic elastomers

- Extremely precise control of installation characteristics
- Exceptionally low manufacturing tolerances
- Good UV protection
- Extremely precise control of operating forces
- No shrinkage
- Best environmental compatibility
- Fully recyclable
- Can be welded, cut and glued
- Very high chemical resistance
- Resistant to paints and coatings
- All RAL and NCS colours can be produced
- Excellent thermal values
- The product does not wash out or flake off
- Can be used at temperatures ranging from -30 °C to +140 °C





Perfectly coordinated production processes

From supplying the systems with raw material through to the packaged product, the individual process steps are automated and monitored during production. As part of process monitoring, where the logs are automatically documented in the system, employees also continuously monitor projectors. Measuring systems are used on installations with high production volumes in order to monitor and log defined details during the cycle. The many options we have available to us mean that we can assure our customers of the best possible outcome, no matter their request.

- Combinations of rigid, flexible and coloured materials using mono-extrusion, co-extrusion or tri-extrusion machines
- Combinations of compact or foamed material
- Anti-stretch thread made of rigid TPE material
- Sliding coating
- Protective coating
- Processing aids (e.g. lubricant)
- Weldable adhesive tapes
- Custom packaging units and packaging types



Raw materials



Deventer elastic | M

Robust, resistant, compatible with coatings

Deventer elastic | M is a premium solid material based on flexible PVC which is refined with high-quality aggregates. It is set apart by its exceptional resistance to ageing, weather, UV and ozone. The raw material is compatible with DD, synthetic resin and acid-curing two-component paints. The processing guidelines from the paint manufacturers must be observed for acrylic and alkyd resin paints. The material is not suitable for nitrocellulose paints, nitro solvents or single-component paints. Unknown coatings must always be tested for compatibility.



Deventer Porene S | SP

Flexible, tight, versatile

Deventer Porene S is a foamed thermoplastic elastomer (TPE) with a closed cell structure. This ensures a particularly gentle closing pressure and high tolerance compensation – ideal for complex door systems. The raw material is resistant to ageing, weather, UV and ozone, and is suitable for many different applications in building construction. It is compatible with water-thinnable acrylic paints and solvent-based alkyd resin paints. If you do not know what type of coating it is, we recommend a compatibility test.



Deventer Purene S | SV S

Versatile, resistant, compatible

Deventer Purene S is a thermoplastic (TPE) with excellent mechanical and thermal properties. It is resistant to ageing, weather, UV and ozone, and is suitable for many different applications in building construction. The raw material is compatible with water-thinnable acrylic paints and solvent-based alkyd resin paints. If you do not know what type of coating it is, we recommend a compatibility test.



Deventer silicone | DS

Extremely long-lasting

Deventer silicone is made of high-quality silicone rubber and offers exceptional resistance to ageing, weather, UV and ozone. The raw material is compatible with water-thinnable acrylic paints and solvent-based alkyd resin paints. If you do not know what type of coating it is, we recommend a compatibility test.

Overview of standard colours

We offer a wide variety of colours and keep many different colours of seals in stock. And that's not all – we also produce seals in custom colours. The standard colours shown are selected examples. Please refer to the applicable price lists and quotations for the delivery availability of the sealing profiles.

RAL 9016
Traffic white

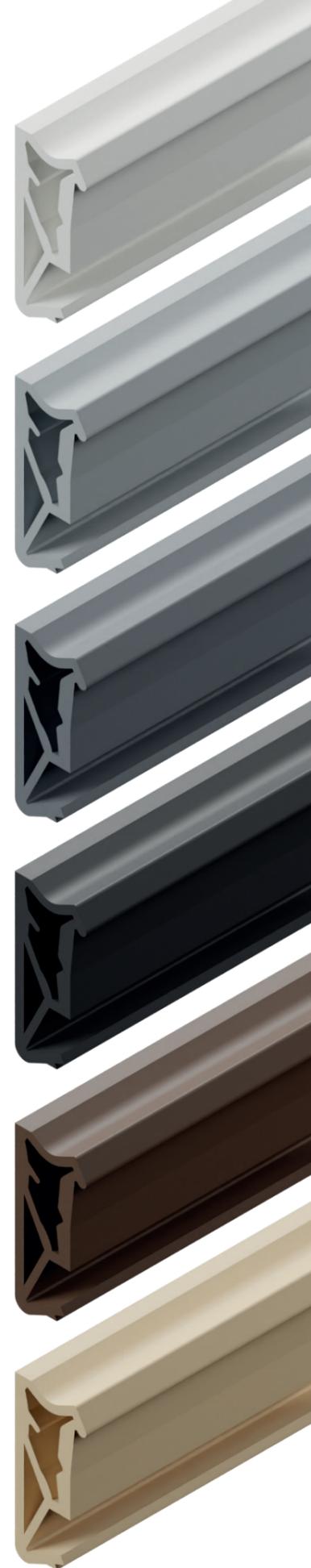
RAL 7040
Window grey

RAL 7015
Slate grey

RAL 9004
Signal black

RAL 8014
Sepia brown

RAL 1001
Beige



We use TPE. Because it can do more.

The issue of materials

The properties of materials play a central role in seal technology. While TPS and TPV are modern, recyclable raw materials which can be processed like thermoplastics, EPDM is a conventional vulcanised elastomer with proven resistance. We opted for TPS and TPV to stay true to our claim of offering innovative and durable, yet environmentally friendly, seal solutions.

TPS / TPV

The thermoplastic elastomers (TPE) we use are TPS and TPV. They combine the benefits of rubber and PVC: they are elastic, yet can be processed like thermoplastics, and are fully recyclable. Unlike traditional elastomers like EPDM, they can be melted and reshaped – a clear benefit in the context of sustainability and resource conservation.

These properties make TPE the ideal choice for applications where materials have to be durable, flexible and able to withstand heavy-duty use – especially for seals and technical components.

Metric	TPS	TPV	EPDM
Water resistance	9	9	10
Resistance to acids / alkalis	8	8	8
Oil resistance	4	4	1
UV / ozone resistance	7	9	10
Temperature resistance	8	9	10
Appearance (surface)	8	6	5
Colour selection	10	9	1
Combination (number, layer thickness)	8	8	6
Precision in shaping	10	10	8
Weldability	10	9	0
Recyclability	10	10	2

Rating

- 0 = poor, unsuitable
- 2 = limited, limited suitability
- 4 = OK, suitable
- 6 = good, good suitability
- 8 = very good, very good suitability
- 10 = excellent, excellent suitability

Materials expertise – impressive quality

Our materials offer the best value for money for the production of premium products. We always use raw materials from well-known manufacturers and ensure the very highest quality. Many materials are certified according to RAL or CSTB. To enable our customers to access markets with particularly strict requirements, we test the VOC emissions of all raw materials – and achieved the best possible classification. We also provide an Environmental Product Declaration (EPD), which is becoming an increasingly important way of documenting environmental impact.

Impressive properties

- Best resistance to water, acids and alkalis
- Good oil resistance
- High resistance to weather and ozone
- Tested UV resistance
- Contains no toxic substances, complies with REACH and RoHS

Standards and quality assurance

Standard EN 12365-1 to 4 defines requirements for sealing profiles, but is not binding. We still have our products regularly externally monitored by ift Rosenheim. This is how we ensure that all of the classification information is correct – extra work that pays off for us.

Precision in shaping

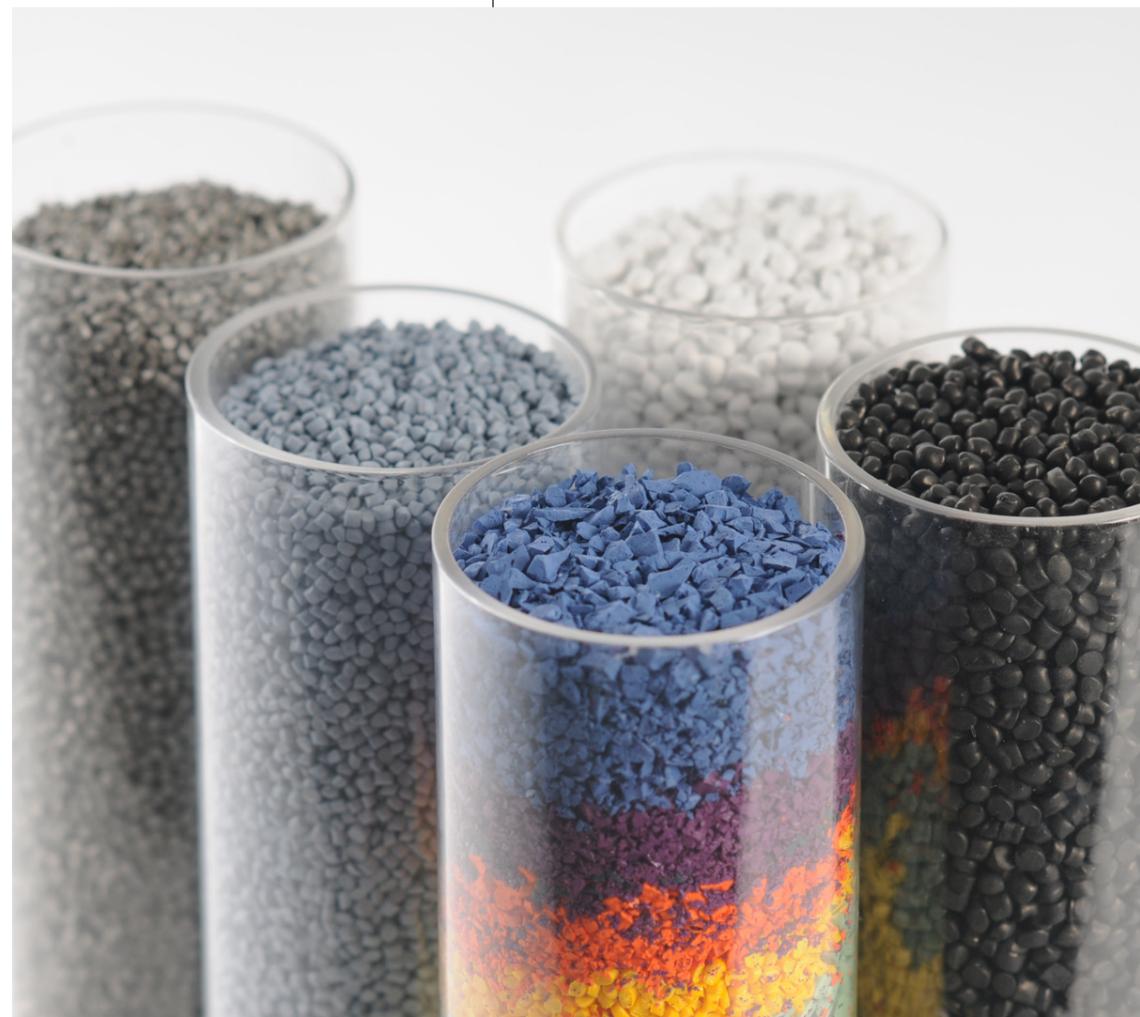
We work with a wide range of Shore hardnesses – from 25 Shore A to 50 Shore D for anti-stretch threads. 60 Shore A is the standard quality for sealing profiles subject to dynamic loads. Thanks to the precision of TPE, we can configure closing pressures and operating forces to exactly match customer specifications. Accurate to a tenth of a millimetre, we work out where tolerances need to be compensated for or forces built up to achieve the required gasket compression.

Sustainability and recycling

Our seals consist of single-origin materials and are fully recyclable. To ensure our seals can be recycled, we made the deliberate decision to avoid threads that are extruded into place. Welded corner joints mean that we can avoid adhesives and maintain material purity. The durability of a welded corner is also typically superior to that of a glued one.

Design and individuality

By coordinating the colour of our sealing profiles to the specific component geometry, we create a harmonious overall appearance and make the element look even more premium. We accurately implement custom colour preferences – whether RAL or NCS. This is how we create quality that can be seen, making the perfect addition to architecture and design.



Seals and glazing solutions for windows and doors

Windows

Deventer seals are suitable for a wide variety of international window and door systems made of timber, timber-aluminium, aluminium and PVC frame materials.

Doors

Seals for main doors and apartment entrance doors

Interior doors

Deventer seals for interior doors work in a unique way

Sliding system

Lift&Slide elements let more light in and create a feeling of space.
Deventer seals provide a reliable seal against draughts and driving rain.

Drop down seals

For reliable protection against driving rain, moisture, air and noise.

System solutions

Deventer seals complete the coordinated system made up of frame profile, window hardware and glazing blocks

Window sill seals

The range of seals installed directly in windows and doors is supplemented by window sill seals

Glazing solutions

Range of products and accessories for safe and correct glazing of windows and doors

Contact

