



**Engineering progress  
Enhancing lives**

## **Systems for life**

Efficient solutions for domestic appliances  
and commercial cooling





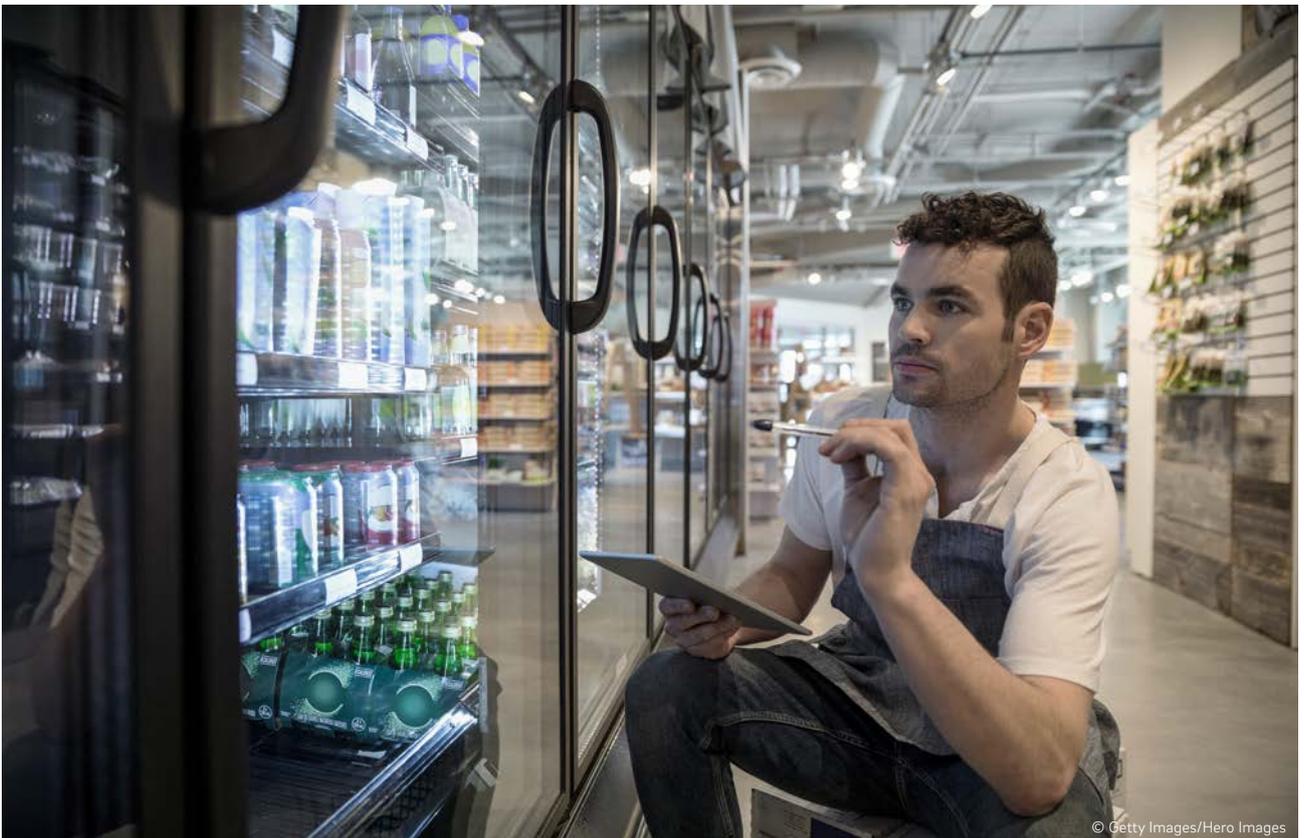
**Top left:** Domestic appliances industry

**Top right:** Digital signage systems

**Bottom:** Commercial cooling



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# High-tech profiles

## Domestic appliances, commercial cooling and digital signage

REHAU's specialist profile and system solutions ensure excellent energy efficiency, improved functionality and maximum convenience in the domestic appliance, commercial cooling and digital signage sectors. At the same time, the solutions meet the highest standards in design.

# We are polymer driven

## REHAU: a system supplier, innovator, strong partner

As a development partner with expertise in your industry, we identify with your objectives and provide solutions for every stage of the product development process, from developing sophisticated profiles to delivering complex complete systems.



Research and innovation = cost-effective, environment-friendly products



Product development focused on form and function, and tailored to your exact requirements



Customized material solutions developed and comprehensively tested in-house



Products that meet the highest international quality standards



Flexible logistics solutions



Modern manufacturing processes, including toolmaking

With its international orientation and a high degree of industry specialisation, REHAU is a strategic supplier and global partner for all of your needs, living up to the motto "everything from one source".

# Efficiency, guaranteed

**REHAU  
EcoPuls**

Sustainability  
Competence

## **REHAU: experts in energy efficiency**

Conserving resources; environmentally-conscious actions at all levels. We also follow this objective for the benefit of our customers. REHAU is a know-how supplier for energy-efficient solutions.

### **Sustainable production**

We are committed to energy efficiency and sustainability. We are improving every year with ambitious targets and various measures.

### **Designed to save energy**

Our products help our customers and end consumers to save energy and reduce their impact on the environment.

### **Research & development**

Our materials and systems expertise means we can optimise our designs to make our products as energy-efficient and sustainable as possible.

### **Disposal/recycling**

As a member of initiatives such as VinylPlus and Rewindo, we are determined to keep improving the recyclability and the use of recycled materials.

### **Responsible procurement**

We naturally also expect our suppliers to treat people and the environment responsibly. Our responsible procurement policy is based on cooperation with our suppliers and sustainability-focused supplier management.



# The technology is in the details

## Domestic appliances

**REHAU products make the difference in everything from refrigerators to freezers, chiller cabinets and washing machines.**

We develop tailor-made solutions that provide the perfect balance of design, functionality and value for money. They make our customers more competitive while meeting the latest and most stringent energy efficiency standards.

**Everything from a single source:**

- Seal systems
- Tubing
- Profile applications
- Logistics solutions

Our international outlook makes us the ideal global supplier and strategic partner for key accounts in the domestic appliances industry.

Energy efficiency day in, day out – the technology is in the details. Whether for refrigeration, washing or drying: You can rely on REHAU's components and complete systems to keep everything working perfectly – and you won't notice a thing.

# Domestic appliances

## Door seal profiles for refrigerators and freezers

REHAU began making door seals for refrigeration and freezing appliances in the early 1960s and has since become a leading manufacturer with a global production network.



Over time, we have steadily developed our seals in line with our customers' increasingly discerning requirements. In today's market, it's not enough for refrigerator seals to work perfectly and be easy to install; they are increasingly expected to help users save energy too. As the point of contact between the door and the body of the appliance, the seal is crucial for ensuring that appliances meet energy efficiency standards.

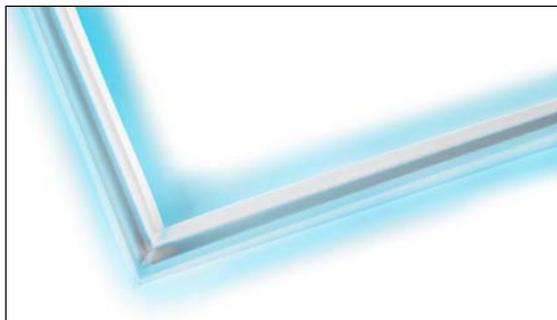
Whatever your objective, our development engineers will offer you a solution that is tailor-made for your specific installation using state-of-the-art methods such as thermal and mechanical simulations (FEM), even at the development stage.

### Easy-clean seals

We have developed plasticiser-free, non PVC (LOW MIG) seals specifically for use in commercial environments. They are exceptionally durable and flexible, even under extreme conditions. Our specially-designed seals keep your visible surfaces straight and easy-to-clean while also ensuring a perfect seal.



### Designo & Illumino seals



Our foil technology opens up a wide range of new design options, including door seals with surfaces that match the body of the refrigerator. It all adds up to flawless design for every fridge or freezer.

Our illuminated door seals give you unprecedented freedom to integrate functional or ambient lighting at the point where the door meets the body of the refrigerator.

### REHAU seals for fridges and freezers are available:

- as ready-welded frames, prefabricated sealing kits cut to a 45° angle, or by the metre
- with or without magnetic inserts
- in RAU-PVC or non-PVC material
- in a range of Shore hardness ratings and colours
- in a single material or co-extruded from a combination of plasticised and non-plasticised elements

And what's more, REHAU also offers a whole host of intermediate products for further processing – including PVC compounds, magnetic strips and magnetic compounds – as well as tailor-made logistics solutions.

### Always the right choice

- Seals for household refrigerators and freezers
- Seals for commercial use designed to meet demanding technical requirements



### Customised to meet your needs

- Tailor-made solutions, e.g. plasticised/non-plasticised combinations
- Pre-fabricated products designed for further processing



# Domestic appliances

## Profiles

There is even more on offer in REHAU's portfolio for domestic appliances: Our range of profiles features solutions for a huge variety of applications. All of them offer a great combination of functionality and high-end design.



### Great design, fantastic value

Our solid-colour, metallic effect handle profiles and mouldings meet the most demanding technical and design requirements while delivering excellent value for money.



### Foil technology

Foil technology can be used to create sophisticated solutions that set new benchmarks for look and feel, giving your fridge or freezer a look that exudes quality.



### Device integration

With our special cover profiles, integrating fridges, freezers and washing machines into kitchen units couldn't be easier.

We can develop custom solutions for a huge range of applications, with materials specially selected to meet your exact requirements.

**Resistance**

We use co-extruded sealing solutions to create durable, elastic dishwasher seals that can stand up to the wide range of substances, temperatures and mechanical loads found in the wash cycle.

**Protection**

Specially fabricated profile solutions protect the wiring and provide the necessary flexibility.

**Insulation**

Ready-to-install soundproofing strips significantly reduce noise from dishwashers.



# Domestic appliances

## Tubing

REHAU tubes and pipes meet high quality standards and are designed for the specific requirements of the domestic appliances industry.

For example, our specially-developed tube geometries guarantee the required minimum flow rate, even if the tube is completely kinked. Tubing solutions designed specifically to comply with the German Drinking Water Ordinance (Trinkwasserverordnung) meet the demanding materials requirements set out in German regulations for drinking water pipes (KTW) and in German Gas and Water Supply Association (DVGW) Technical Standard W270. Our systems also give you the flexibility you need to install washing machines and dishwashers in cramped conditions.

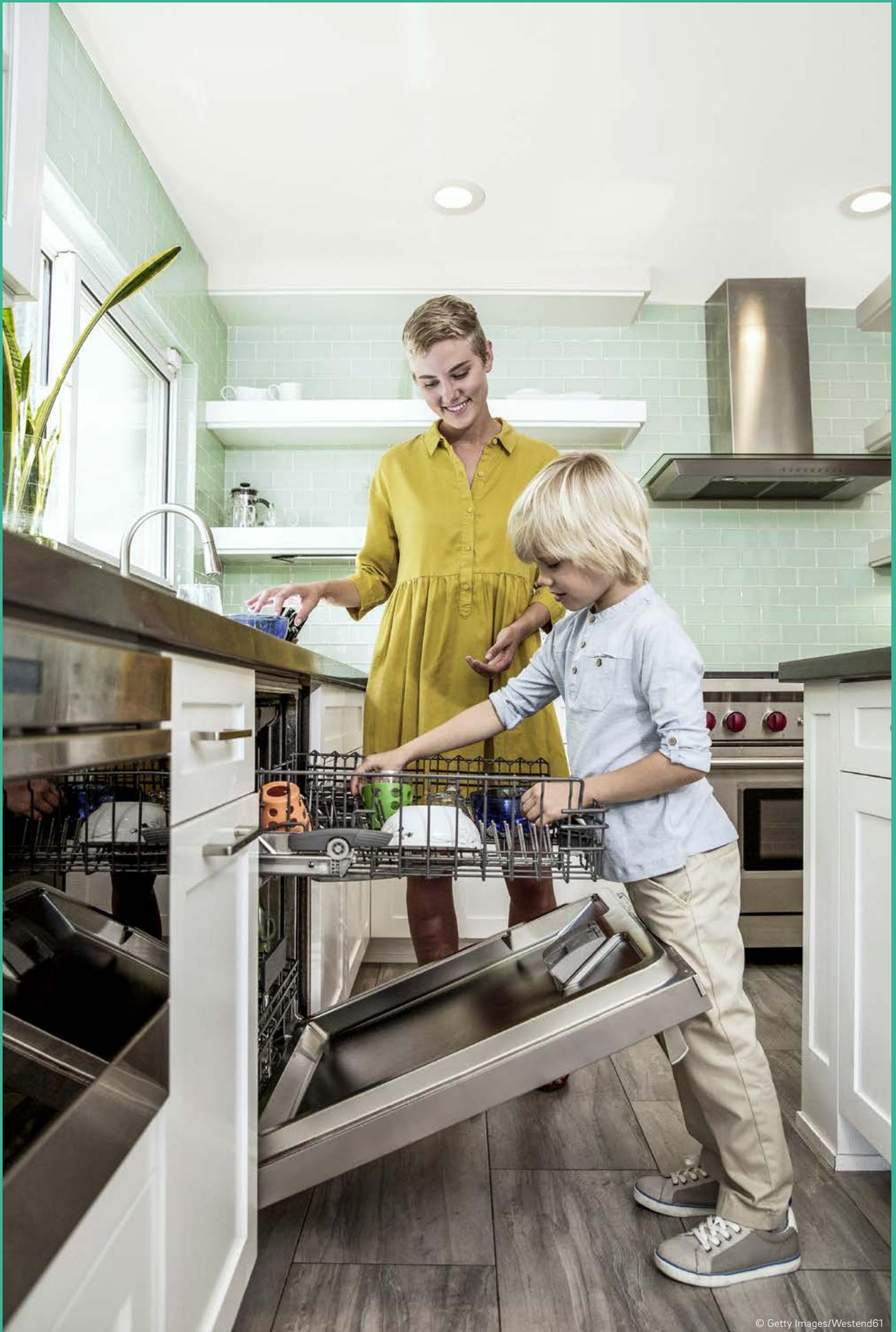


### Demanding requirements

- Reinforced and non-reinforced tubing is available in a variety of Shore hardness ratings and in materials designed to handle high pressures and temperatures
- Resistant to a variety of substances
- Compliant with national and international standards, as well as with German drinking water regulations



Completing the range is a choice of specialist systems for use in oral irrigators.





# Cool energy-savers

## Commercial refrigerators and deep freezers

REHAU is a strong partner for the commercial refrigerator sector. Thanks to our industry expertise, we can develop and supply a wide range of sophisticated, high-quality profiles and complete systems, customised to meet even the most demanding requirements.

REHAU-BEHR, the market-leader in innovative glass cover systems for supermarket appliances, is a member of our Commercial Cooling Expertise Network since May 2015.



Keep it cool, get it green!  
Whether you need a sophisticated  
profile or a complex system, in commercial  
refrigerators, the focus is on design, operation  
and energy efficiency.

# Commercial refrigerators and deep freezers

## Glass door systems for bottle coolers

Polymer-based glass door profiles deliver greater energy efficiency than aluminium profiles. Combined with our sealing expertise this adds up to tailor-made solutions for any specification or climate class.



Our swinging and sliding door systems are easy to install and minimise condensation. They are available in a range of designs and, as you would expect from REHAU, they boast outstanding energy consumption figures too.

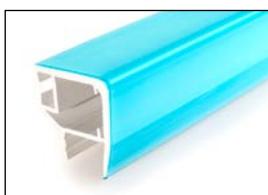


### Tailor-made design

- Suitable for a range of glass thicknesses and climate classes
- A variety of solutions for installing frames and glazing
- Matching seal solutions
- Integrated additional functions such as LED mountings or recessed handles
- Extensive range of accessories including locks, corner connectors, hinge bushings and self-closing devices

### A range of surfaces

- Choose from a full spectrum of textured or smooth finishes
- Laminated and co-extruded surfaces
- Thanks to technology developed by REHAU, we can create profiles with a special glass-effect finish, giving your appliances a cool, innovative look.



### Everything from a single source

REHAU can also supply complete, ready-to-install glass doors, as well as individual door components such as profiles, seals, corner connectors, handles and self-closing devices. This ensures high quality throughout the system and full compatibility between all parts.



### Efficiency that works

Our fully-sealed sliding-door systems deliver high levels of energy efficiency while reducing condensation to a minimum. Moreover, our textured seals, self-closing devices and optimised roller track assemblies make opening and closing the doors almost effortless.

# Commercial refrigerators and deep freezers



## Sliding cover systems

REHAU glass sliding cover systems are guaranteed to impress thanks to their outstandingly smooth sliding mechanisms. Our patented sliding and sealing technologies combine to prevent both ice build-up and condensation.



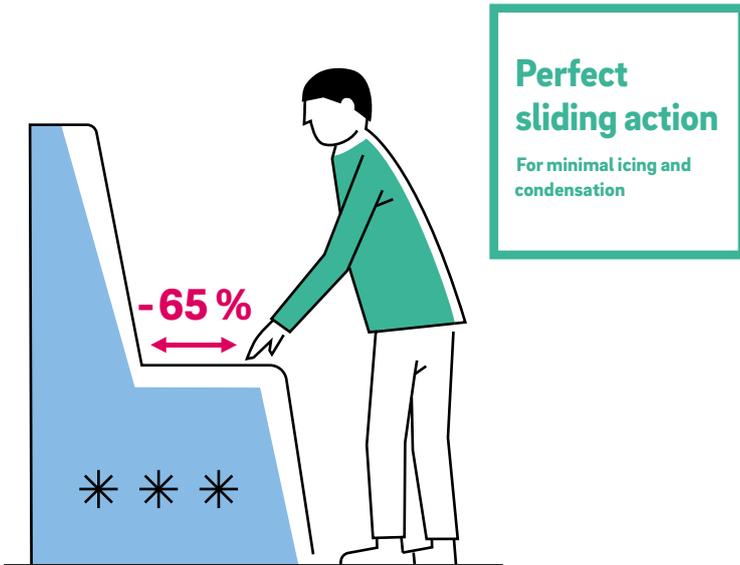
### The perfect slide

Co-extruded low-friction ABS 144 allows sliding covers to glide smoothly along the frame of any appliance.

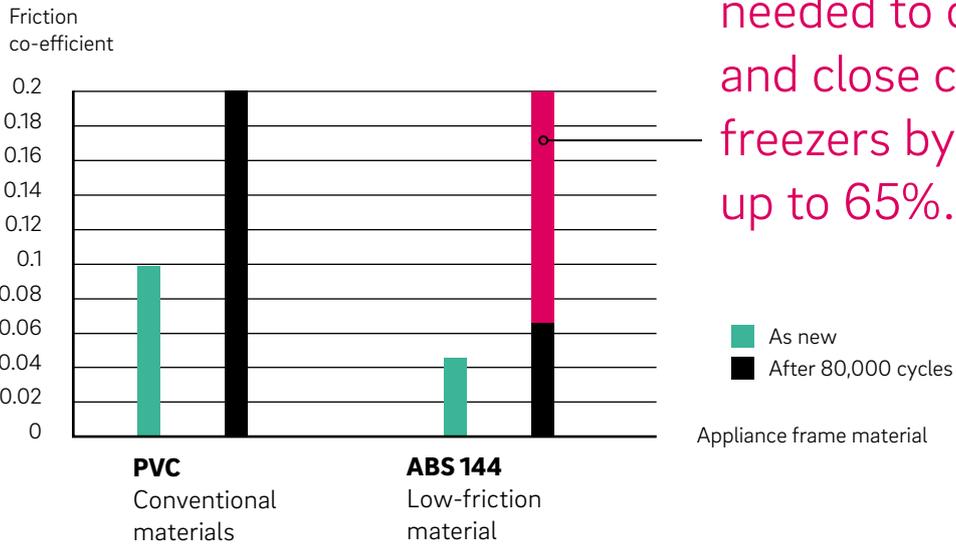


### It all works perfectly

Our patented low-friction seals can be easily fitted to sliding covers, ensuring both smooth movement and a tight seal.



When combined with our low-friction seal, our sliding covers reduce the force needed to open and close chest freezers by up to 65%.



**Comprehensive product portfolio**

Our product portfolio includes everything from components for sliding covers to complete, ready-to-install sliding glass lids, along with a selection of accessories and breaker strips designed to complement the overall system perfectly.

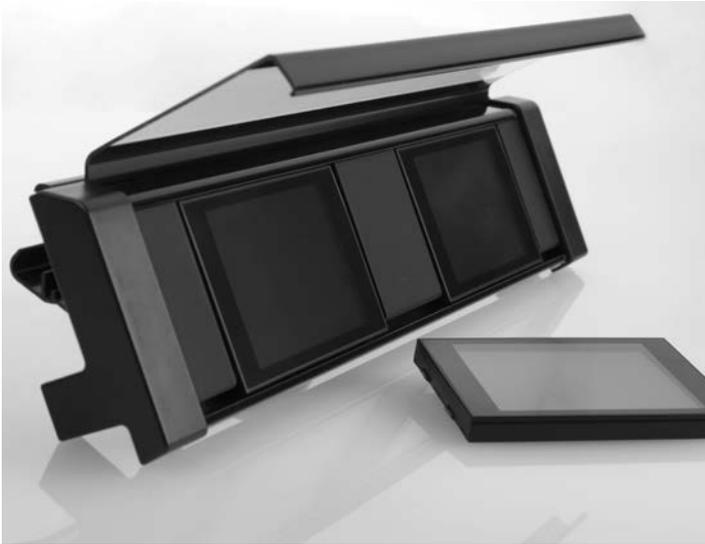


# Commercial refrigerators and deep freezers

## Digital signage systems / smart shelves

Paper price tags are so last century. The future of retail is digital shelving. With digital shelves, prices can be set and updated at the touch of a button, and they're perfect for managing information or displaying instructions, too. Tomorrow's smart shelving will communicate actively with customers.





Our smart shelf concept is based on a modular system with shelf electrification, software, hardware and shelf support profiles. These components bring power and data directly to the shelf edge.

**Flexible  
positioning &  
installation**



# Commercial refrigerators and deep freezers

## Glass covers for supermarket appliances

Open refrigerators and freezers consume huge amounts of energy during business hours which then has to be re-generated at considerable cost. Closed systems also lead to a noticeable improvement in food quality and slows bacteria formation.

Rising energy costs and heightened environmental concerns point to a simple solution – fitting open appliances with glass covers.

But to prevent the covers from creating 'barriers' between shoppers and products, they have to look and feel great too.

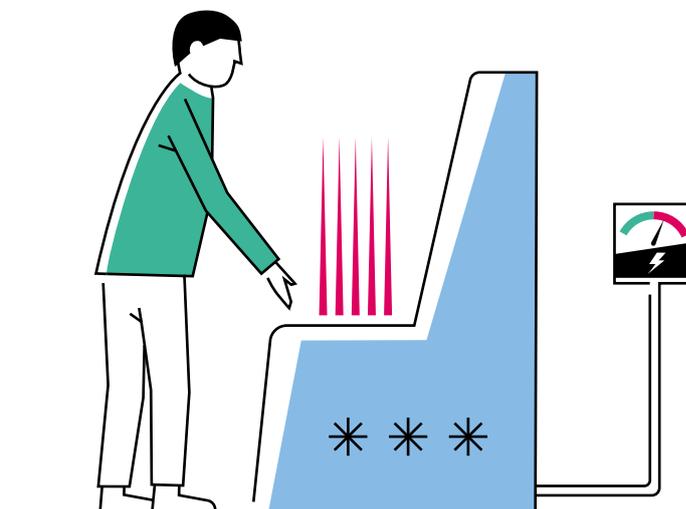
With this in mind, REHAU supports well-known system suppliers by providing intelligent profile and sealing systems. These parts maximise the usable display area while also delivering a winning combination of great functionality, appealing design and impressive energy efficiency.

## Refrigeration systems

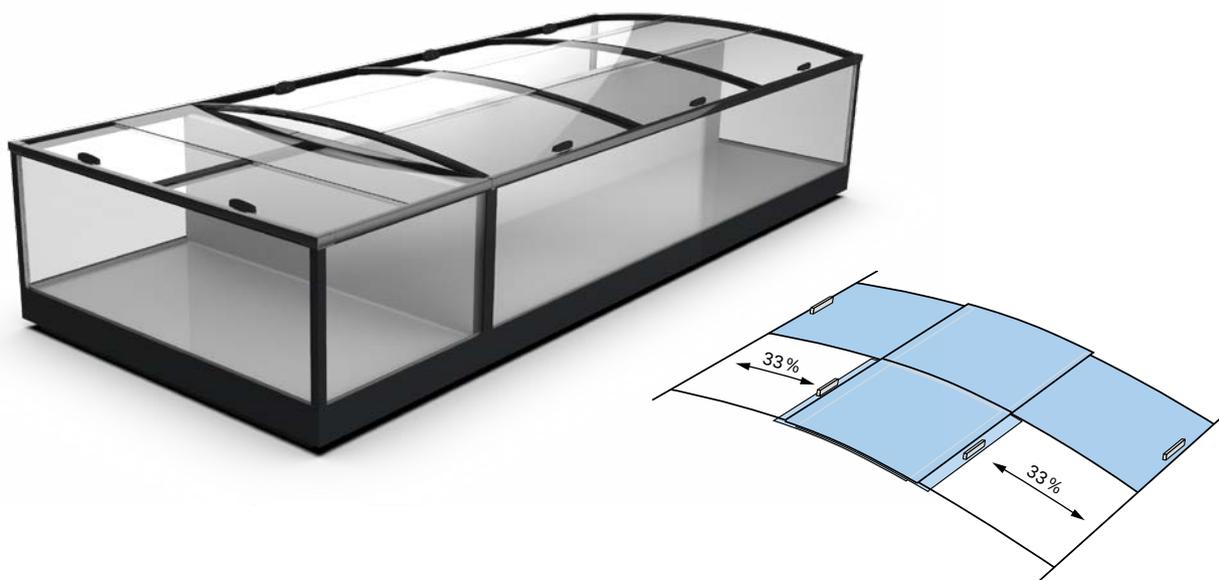
# 50 %

of a supermarket's energy consumption comes from refrigeration systems.

Source: KI Kälte–Luft–Klimatechnik (Refrigeration, ventilation and AC technology)



## Sliding cover systems for island freezers



### Uniquely modular

A base system for modular use with all common chest types and wall thicknesses, including optional LED lighting. Allows application with push/pull and horizontal movement of the cover.

### Easy to use

Push/pull mechanism allows unrestricted access on both sides of the chest, even if the covers are open at the same time.



### So easy to assemble

Just a few parts – and no screws!



# Commercial refrigerators and deep freezers

## Glass door systems for refrigerated shelves

### Sliding door systems



#### Works perfectly

Damper ensures the door closes at a consistent speed and decelerates as it closes → no more trapped fingers!



#### A pleasure to use

Our specially designed roller track assemblies ensure doors open and close quietly and move in an absolutely straight line.



#### Energy efficiency

Polymer profiles ensure thermal separation and outstanding insulation, keeping the cold in.

### Swinging door systems



#### Maximise your display area

Slender door profiles and transparent seals provide excellent insulation and maximum visibility for chilled goods.



#### Outstanding insulation

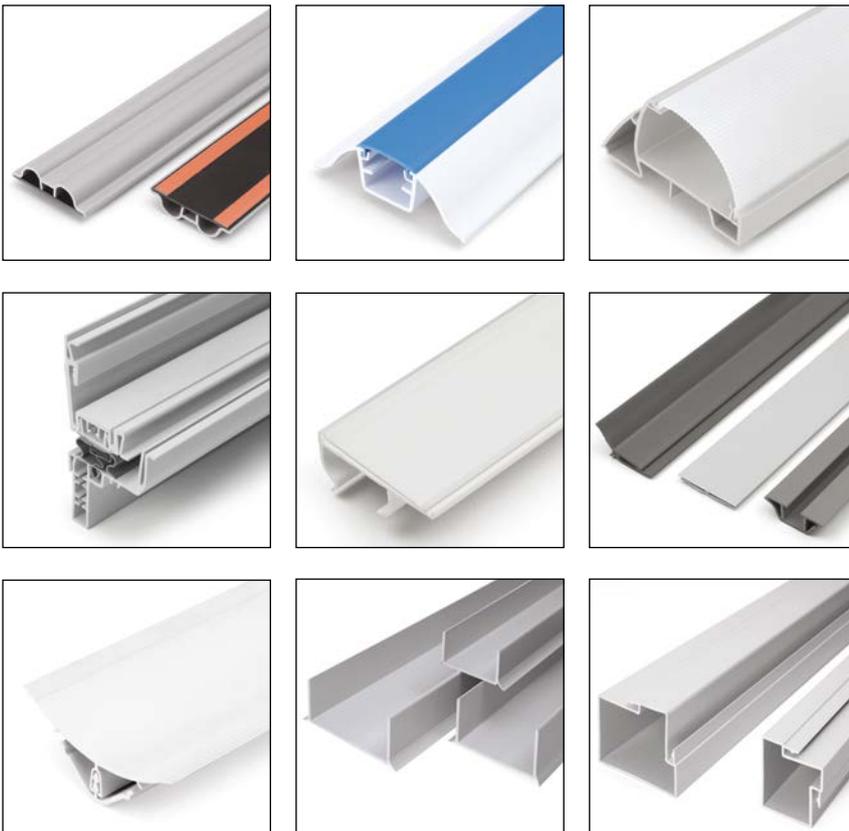
All functional parts are built into highly-insulated polymer housings.



# Commercial refrigerators and deep freezers

## Profiles

Completing our range is a comprehensive array of profile solutions for commercial refrigerators, available in all common polymers for a variety of functions.



### We know how

When you choose REHAU, you get all the benefits that come with our industry-specific development expertise and our deep knowledge of materials and manufacturing processes.

### Our product portfolio includes:

- bumper profiles (can be fitted using adhesive tape or push-on fastenings)
- PMMA and PC lamp covers, complete with matching support systems
- profile systems for doors and appliance bodies, with mounting points for sealing profiles
- transparent price-tag holders
- matching profiles and moulded parts
- a wide variety of customer-specific structural profiles
- cold room profiles

**Engineering progress.  
Enhancing lives.**

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