



CHEMISTRY BETWEEN US

SEALS • PROFILES

CHEMISTRY BETWEEN US

AIB is the precursor of modern solutions in the construction industry. We started our company in 1992, focusing on the production of innovative finishing and insulation materials. The quality of the AIB brand is guaranteed thanks to the specialized training of company founders backed by over 20 years of experience, enabling us to offer proven solutions and high quality products. This

is the basis of AIB's presence on the global market, resulting in the introduction of a management system in accordance with EN ISO 9001:2008 and obtaining a wide range of product certifications. We would like to especially emphasize that, in addition to our standard offer, we design and implement solutions in accordance with the individual needs of customers.

Please check out our products and feel free to contact our Customer Service.

What makes us different?

- **Experience**
Gained over a period of 20 years, from a single production line to a plant employing over 100 people.
- **Technology**
Modern production lines and continuous efforts to optimize and automate the manufacturing process.
- **Innovation**
Own R&D Department and highly specialized staff allow us to pursue original ideas, and implement products according to customer specifications.
- **Quality**
Guaranteed by our modern laboratory and its management. The company owns the quality certificate ISO 9001:2008.
- **Logistics**
Perfectly organized transportation and logistics shorten delivery times to a minimum.

SEALS

One of the main areas of production in which AIB is specialised is the extrusion of thermoplastic elastomer seals, gaskets and weatherstrips.

Our customers' high requirements are a motivation for us to develop a variety of plastic blends and design seals, which combine functionality, durability and ease of installation. Modern technology enables us to produce high performance seals and our laboratory ensures consistent product quality.



doors



façade windows



appliances



ventilation systems



furniture



garage doors

Material and design

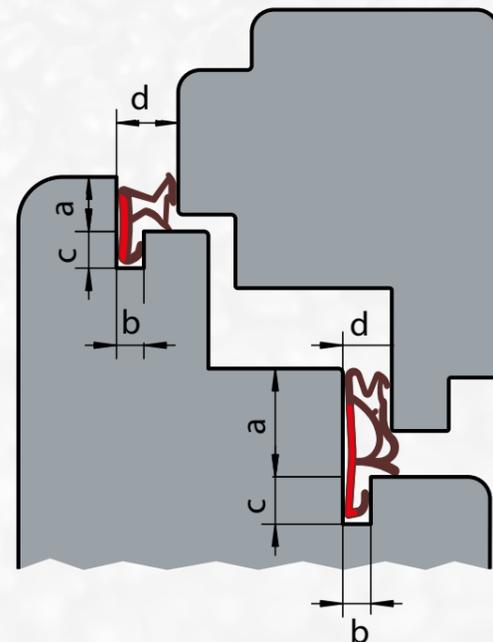
AIB's continuous production includes over two hundred different types of seals made from specially developed materials: TPA and TPS. These modern thermoplastic elastomers (TPE), due to their excellent properties are increasingly displacing vulcanized rubber (EPDM).

Properties of materials

Properties	Test	Unit	Values	
			TPA	TPS
Hardness	ISO 868	Shore A	50-70	45-80
Density	ISO 1183	g/cm ³	1,0-1,16	1,14-1,3
Tensile strength	ISO 37	Mpa	6,0-10,0	10,0-15,0
Tensile strength at break	ISO 37	%	450-750	450-600
Ozone resistance	PN ISO 1431, Pt A 43		no cracks	no cracks
UV resistance	BS 7412		no cracks	no cracks
Operating range		°C	-45 do +120	-45 do +85
Comments			Material resistant to acrylic paint	



● Seal shears



Products



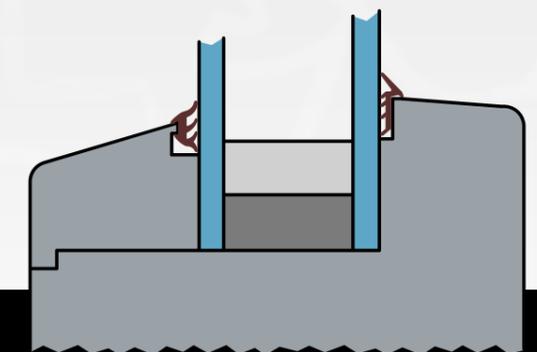
Seals for wooden windows and doors are designed for installation in new single frame windows or insulating glass units. They are made of TPS or TPA plastic. These plastics are weldable, which permits for making very tight corners. Seals can also be cut at the corners using special shears offered by our company.

Seals for wooden windows - TPA

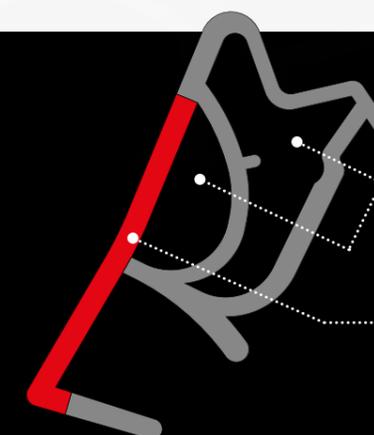
Cross-section	Index	Rabbit height [mm] [a]	Groove height [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm] [d]	Packaging	
						Box [m]	Pallet [m]
	KDA-7T	12	4-5	8	5	400	2 400
	KDA-50	10	3	5	6	100	3 200
	KDA-12T	2,5	3	5	6	200	6 400
	KDA-16	12-19	5	8	-	150	4 800
	KDA-19	-	5	8	-	200	6 400
	KDA-5	12	5	8	5	100	3 200
	KDA-9	12	5	8	5	100	3 200
	KDA-10	12	4	8	4	100	3 200

Seals for dry glazing of wooden windows TPA

Cross-section	Index	Cross-section	Index
	KDA-34		KDA-35



Advantages of window seals



TWO CHAMBER DESIGN:

- Improves sound insulation,
- Improves the tightness while maintaining the ease of closing a window,
- Provides long-lasting performance.

REINFORCED BACK:

- Provides good adhesion to the channel,
- Easy installation,
- Eliminates shrinkage and expansion.

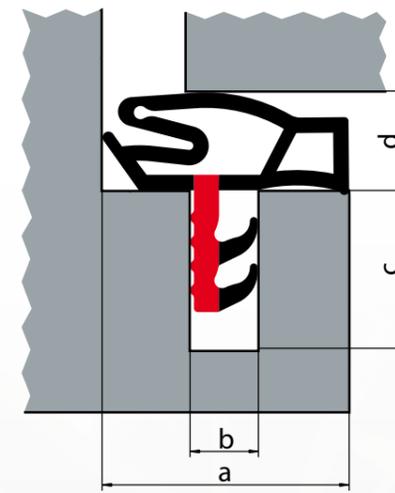
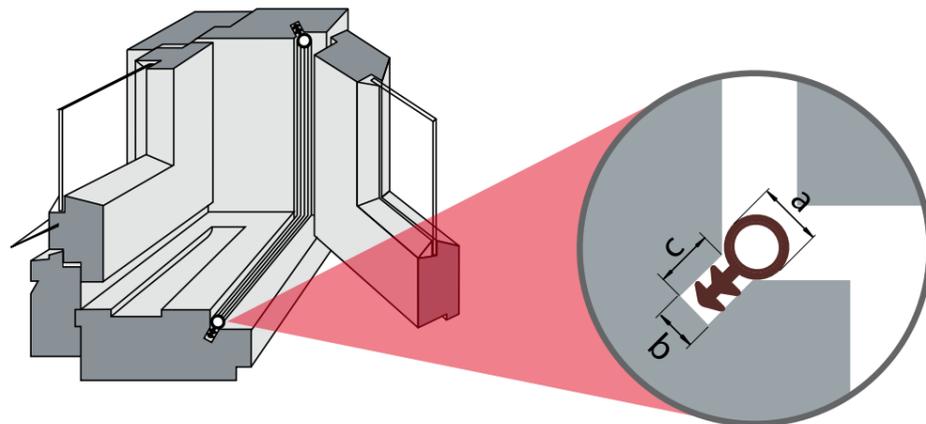
Seals for wooden windows - material TPS							
Cross-section	Index	Rabbit height [mm] [a]	Groove height [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm] [d]	Packaging	
						Box [m]	Pallet [m]
	KD-5	12	5	8	5	100	3 200
	KD-6	12	5	8	5	300	3 000
	KD-8	12	4	8	4	300	3 000
	KD-9	12	5	8	5	100	3 200
	KD-10	12	5	8	5	100	3 200
	KD-19	12	5	8	-	200	6 400

Reno-System seals for sealing old windows and doors

Seals are designed to be used in various types of windows. Traditional dual windows, frame windows and insulating glass units were made without rabbit clearance. It appears, however, over the years, which significantly increases the cost of heating. Reno-System are seals manufactured in four sizes, which allows their use in rabbit clearances in the range of 2 - 8 mm. They are installed inside the frame notch in a specially milled channel with dimensions of 6 x 3 mm. The advantage of this system compared to other available on the market is the ease of dismantling before painting the window. This allows for maintaining excellent sealing properties over a long period of time.

Seals for wooden windows Reno System - material TPA							
Cross-section	Index	Head diameter [mm] [a]	Groove width [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm]	Packaging	
						Box [m]	Pallet [m]
	KDA-1 KDA-2 KDA-3	4, 6, 8	3	6	2 - 5	100	3 200

Seals for wooden windows Reno System - material TPS							
Cross-section	Index	Head diameter [mm] [a]	Groove width [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm]	Packaging	
						Box [m]	Pallet [m]
	KD-1 KD-2 KD-3 KD-4	4, 6, 8, 10	3	6	2 - 8	100	3 200



Seals for wooden doors

Designed for installation in both internal as well as external wooden doors. Made of TPS or TPA plastic. They are weldable, which allows for making tight corners.

Seals for wooden doors - material TPA							
Cross-section	Index	Rabbit height [mm] [a]	Groove height [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm] [d]	Packaging	
						Box [m]	Pallet [m]
	KDA-14	12	4	6	5	100	3 200
	KDA-26	12	4	6	5	150	4 800
	KDA-49	18	5	8	5	150	2 100
	KDA-45	11	3	6	6	150	4 800

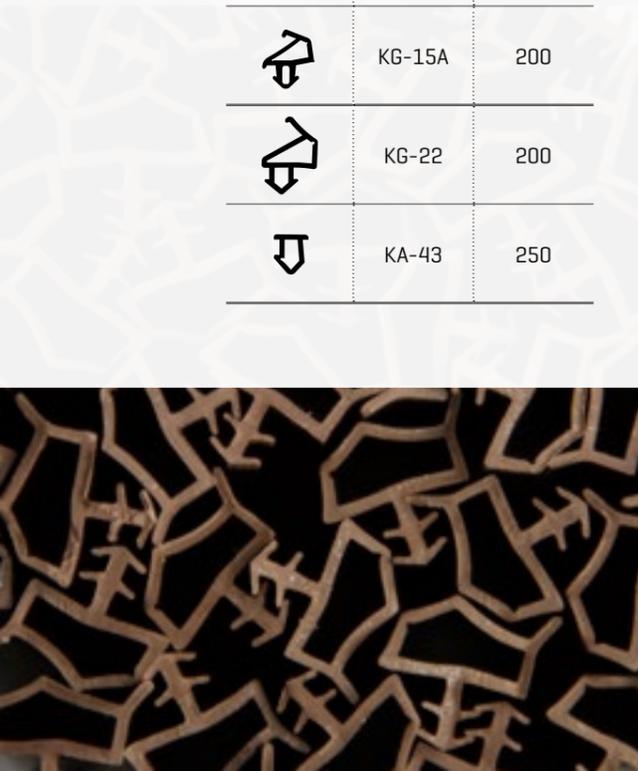
Seals for wooden doors - material TPS							
Cross-section	Index	Rabbit height [mm] [a]	Groove height [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm] [d]	Packaging	
						Box [m]	Pallet [m]
	KD-11	12	4	6	5	100	3 200
	KD-14	12	4	6	5	100	3 200
	KD-26	12	4	6	5	150	4 800
	KD-42	11	4	6	5	500	2 000
	KD-43	12	4	6	5	150	4 800
	KD-44	12	3	6	6	500	2 000
	KD-52a	12	4	6	6	150	4 800

Seals for PVC window systems

Aluplast [index / roll [m]]			Gealan [index / roll [m]]			Veka [index / roll [m]]		
	KAL-5	150		KG-19	200		KV-7	200
	KAL-6	150		KG-18	200		KV-5	200
	KG-15A	200		KA-50	250		KA-50	250
	KAL-7	200						
			Rehau [index / roll [m]]			Trocal [index / roll [m]]		
	KAL-8	200		KR-11	200		KT-4	200
	KAL-1	200		KR-12	200		KT-5	200
	KAL-4	200		KR-10	200		KT-2	150
	KA-55	250		KA-17	250		KA-43	250

Salamander [index / roll [m]]		
	KG-11	150
	KAL-6	150
	KG-15A	200
	KG-22	200
	KA-43	250

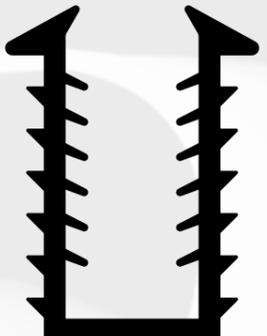
Other systems [index / roll [m]]								
	KG-22	200		KA-43	250		KA-63	250
	KI-1	200		KA-47	250		KP-1	200
	KM-3	150		KA-49	250		KP-3	200
	KB-32	200		KA-50	250		KT-8	200
	KA-4	200		KA-55	250		KT-9	200
	KA-17	250		KA-58	150		KT-30	250
	KA-41	200		KA-62	250			



● Corner welder



Seals for different purposes

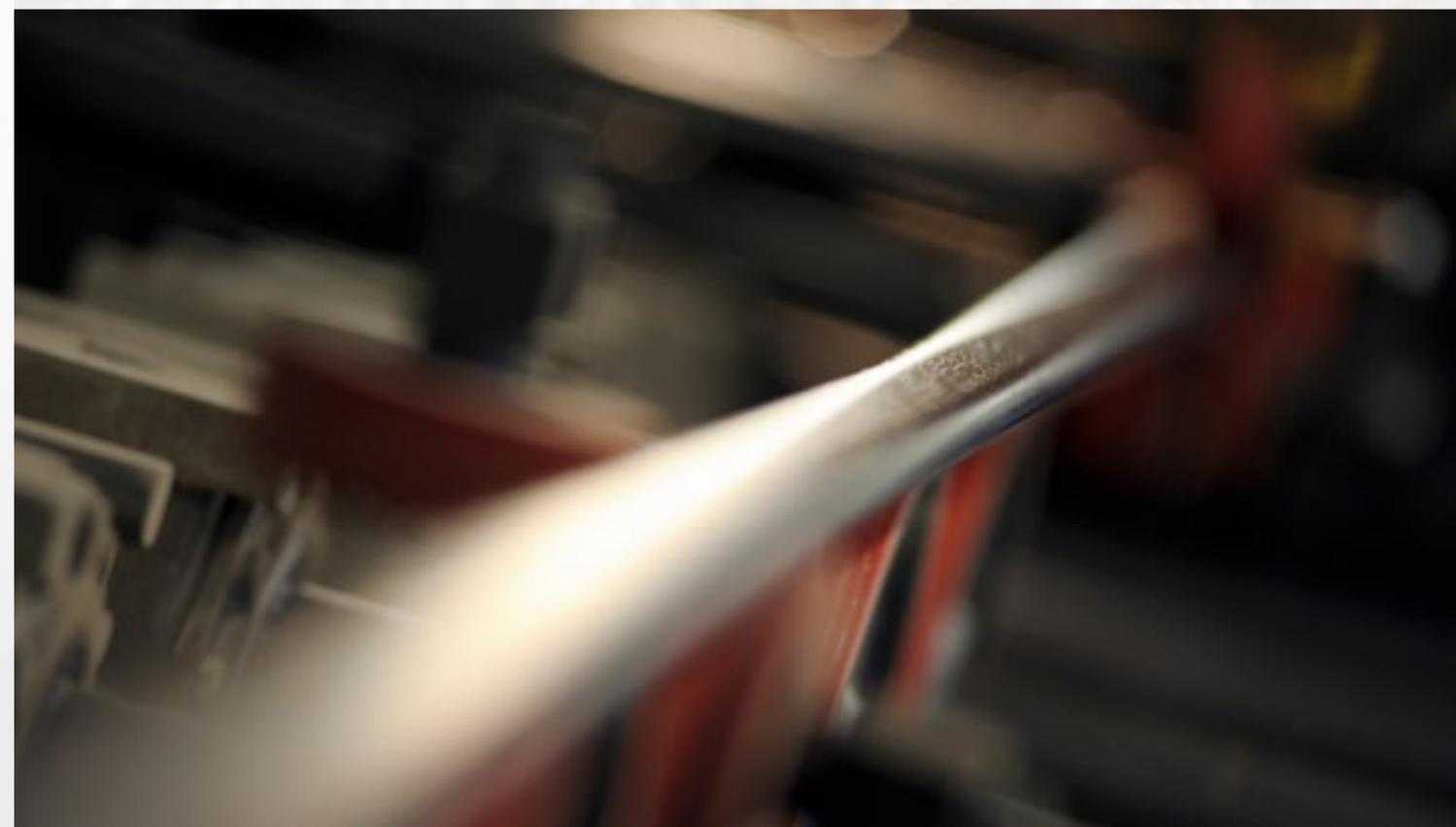
Frame seals for glazing [index / roll [m]]								
	KA-75a	200		KA-6	100		KA-79	100
	KA-95	200		KA-21	100		KA-90	150
	KA-100	200		KB-4	250		KA-84	pieces
	KA-105	200		KB-54	250			

Clamps [index / roll [m]]					
	KO-1	100		KO-6	100
	KO-2	100		KO-8	100
	KO-3	100		KO-10	100
	KO-4	100		KO-11	100

For furniture [index / roll [m]]					
	KA-8	200		KA-89	250
	KA-104	200		KA-61	1000
	KA-13	pieces		KA-78	pieces
	KA-87	250			

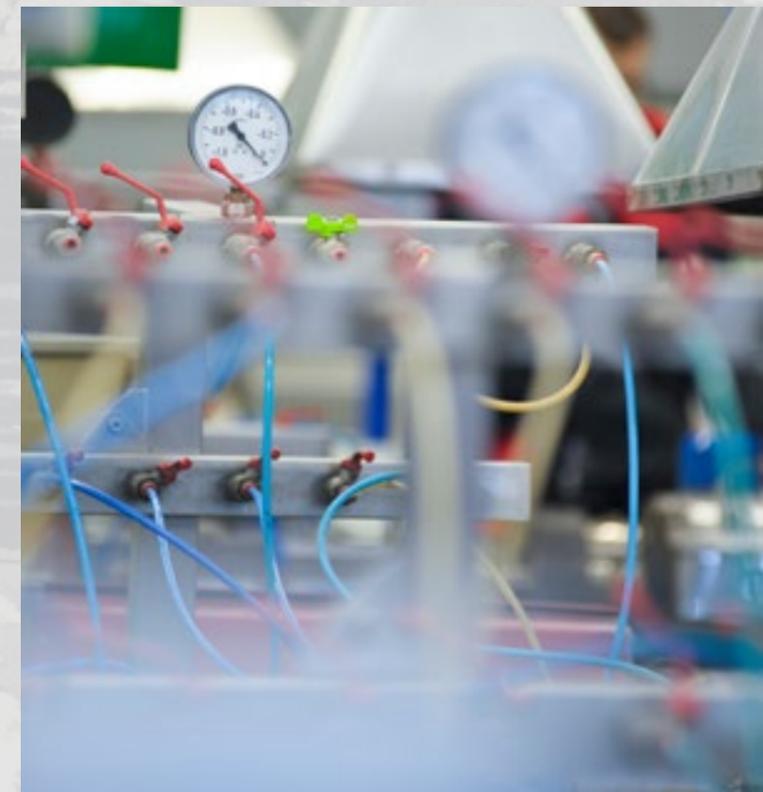
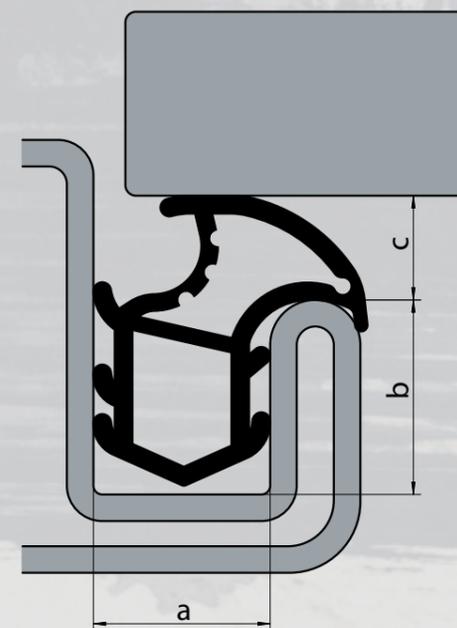
Profiles for mosquito netting [index / roll [m]]								
	KB-51	300		KA-1	3x100		KA-5	200
	KB-10	250		KB-10c	300			

Seals for aluminium windows [index / roll [m]]								
	KA-10	100		KA-26	100		KA-16	150
	KA-12	100		KA-27	100		KA-24a	100
	KA-15	100		KA-29	100		KA-30	100
	KA-25	100		KA-11	150			



Various seals [index / roll [m]]								
	KA-3	200		KA-34	100		KA-77	300
	KA-18	150		KA-36	300		KA-92	200
	KA-20	100		KA-59	100		KDA-48	100
	KA-22	100		KA-67	300		KB-6	100
	KA-23	100		KA-69	100		KB-7	200
	KA-32	300		KA-73	100		KB-49	200
	KA-33	250		KA-74	200			
	KA-82	50		KA-72	100			
	KA-31	100		KA-19	100			
							KB-19	pieces

Seals for metal doors						
Cross-section	Index	Groove width [mm] [b]	Groove depth [mm] [c]	Clearance after closing [mm] [c]	Packaging	
					Box [m]	Pallet [m]
	KA-2	10	10	5	100	3 200
	KA-98	8	10	5	100	3 200
	KA-102	8	11	7	pieces	-
	KA-103	11	9	5	100	3 200
	KDA-47	9	11	7	100	3 200
	KA-88b	14	9	5	160	640



PROFILES

Another product group in which our company is specialised, is the extrusion of profiles made from polyvinyl chloride. Due to their high quality, diversity of colours and forms, products made by AIB have been chosen by a significant number of our Partners.

Use

Profiles made by AIB are most commonly used as refining components in the manufacture of both internal and external doors. Profiles are also used as a sealing element in the manufacture of garage doors. The materials used in production are fully resistant to ageing and preservatives commonly used by the users of doors and windows. Thanks to our modern technology for coating profiles with decora-

tive films, quick and perfect choice of colour and texture of the profile surface according to individual customer needs is possible. In addition to the standard products, AIB offers the ability to design, implement and manufacture any profile shape, which is the result of the work of our own implementation department or technical specifications supplied by the customer.



doors



furniture



garage doors

Material

AIB uses polyvinyl chloride in profile production. With this type of material we can extrude profiles in foamed and hard form, depending on the individual requirements of our customers. Our copyrighted, original door glazing system, based on the idea of quickly connecting profiles using a latch, has

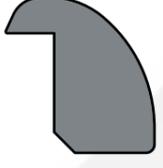
been well received by the market, and thus worthy of recommendation. The system is very popular among customers due to its reliability, practicality and of course the speed of installation. Another advantage is the ease of disassembly in case of a need to replace the glass.



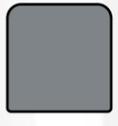
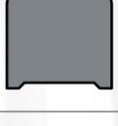
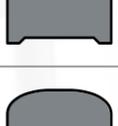
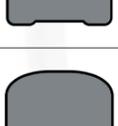
AIB makes a range of profiles used in the production of glazing in external doors and garage doors. They are made of foamed PVC, and the surfaces are covered with weather-resistant films in the colour matched to customer requirements.

Glazing profiles for external doors and garage doors

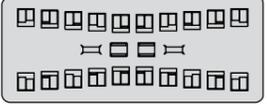
Cross-section	Index	Cross-section	Index
	KDL-35		KDL-28
	KDL-45		KDL-32

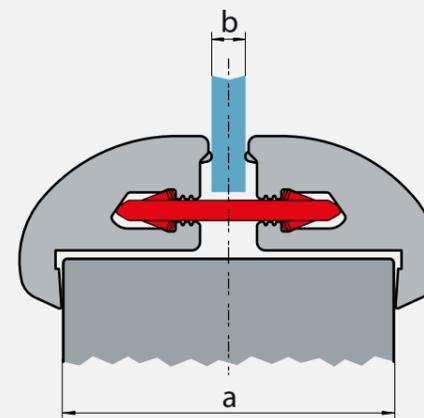
Glazing profiles for internal doors			
Cross-section	Index	Door thickness [mm]	Glass thickness [mm]
	KDL-1	38-40	4
	KDL-10		4
	KDL-12		4
	KDL-36		6
	KDL-37		4
	KDL-41		4
	KDL-44		6
	KDL-49		8

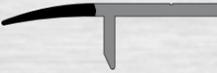
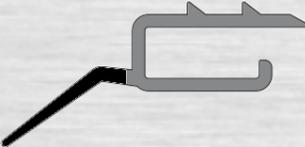
The system of profiles for internal doors is made up of a number of profiles made of foamed PVC. They can be used to create all kinds of glazing frames for internal doors. They are covered with woodgrain films adapted to customer requirements. AIB has patented an innovative system for the installation of glazing profiles using a special latch by means of which fast and permanent installation in the door is possible.

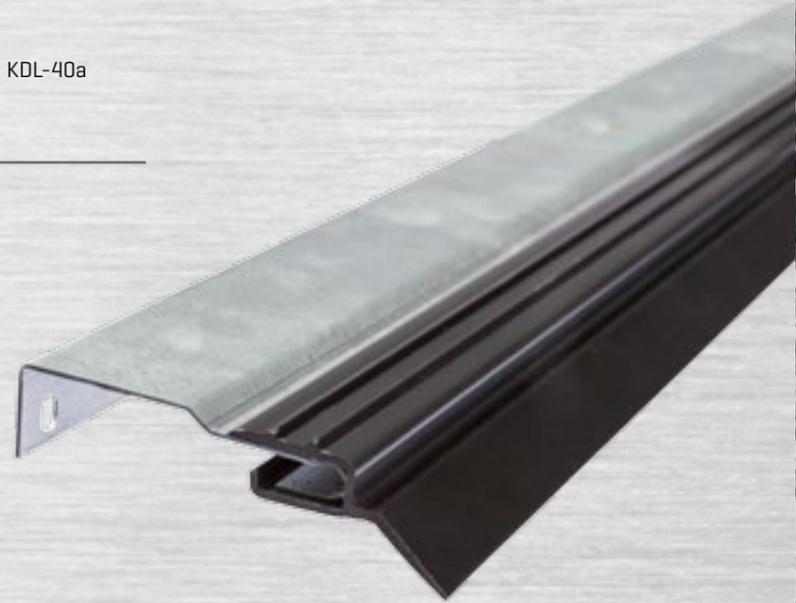
Window bars for internal doors	
Cross-section	Index
	KDL-2
	KDL-4
	KDL-29
	KDL-30
	KDL-38
	KDL-39
	KDL-46



Clip / latch	
	
KL-4	1,000 pcs. in a package



Sealing profiles for garage doors		Other profiles	
Cross-section	Index	Cross-section	Index
	KDL-13		KDL-33
	KDL-17		KDL-19
	KDL-18		KDL-22
	KDL-21		
	KDL-40a		



AIB seeks to have a long-term contact with each partner by providing on time deliveries and the highest quality of goods and services. Creativity and quick responses of the AIB employees also allows us to offer tailor made solutions.

We focus on:

- Discovering customer needs
- Speed and flexibility of action
- Development of the quality system
- Use of modern production technology
- Protection of the environment - the materials which we use can be easily reprocessed





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**INNOVATIVE
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EUROPEAN UNION
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DEVELOPMENT FUND

