ALUKON
Sonnenschutz Rollladen Insektenschutz

TOP-MOUNTED SYSTEM

AK-FLEX

ALUKON

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TOP-MOUNTED SYSTEM AK-FLEX

ON THE WINDOW

AK-FLEX - From classic roller shutters and venetian blinds to ZipTex textile sun protection.

On request, the system can be equipped with integrated insect protection for AK-FLEX . You can choose from a wide range of decorative foils and ALUKON colour options.

**More products and innovations can also be found at
WWW.ALUKON.COM**

MORE THAN JUST A TOP-MOUNTED BOX
OUR ALUKON SYSTEMS HAVE MORE ADVANTAGES THAN YOU THINK

Privacy protection
more privacy in
your own home

Insect protection
can be integrated into AK-FLEX,
keeps annoying insects away

Sun protection
pleasant indoor climate,
even on hot summer days

Energy saving
excellent thermal insulation

Anti-burglary protection
an additional barrier for your
safety, deterring intruders

Sound protection
offers the highest level of sound
protection

Easy to install
the box can be easily snapped onto the window frame using the adapter profile

Ease of use
conveniently by electric drive or simply with belt, cord or crank operation

Stability
Profiles made of corrosion-resistant aluminium - solid, durable, low-maintenance and recyclable

Weather protection
the connection to the window is already wind-proof thanks to the snap-in adapter profile without the need for additional measures - no additional seals need to be implemented

Facade design
Curtains and guide rails in many different colours

Made in Germany
durable, high-quality materials

AK-FLEX
TOP-MOUNTED BOX

ROLLER SHUTTER AS CLINKER VERSION

EXTERNAL VENETIAN BLIND AS CLINKER VERSION

VENETIAN BLINDS

**ZIPTEX INSPECTION INSIDE OR OUTISDE**

ROLLER SHUTTER INPSECTION INSIDE or OUTSIDE

FOAMED TOP-MOUNTED BOX

FOR NEW CONSTRUCTION AND RENOVATION

The foamed top-mounted box AK-FLEX is specially designed for new buildings or renovations together with the entire window and meets the current requirements for both thermal and sound insulation.

You can use the AK-FLEX for all wall structures and installation situations. Regardless of whether thermal insulation composite system, exterior plaster, clinker or slate facade, the AK-FLEX universal box can always be used. Its flexibility and the possibility to adapt its external dimensions to the building situation makes it particularly suitable for prefabricated houses or requirements for fixed wall thicknesses.
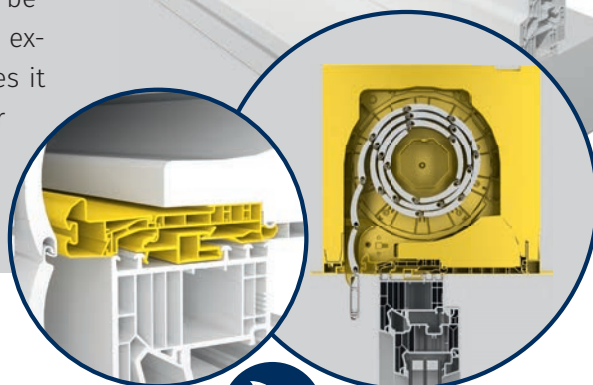
Sound protection

offers the highest level of sound protection. Depending on the type of box, values of up to 46/47 dB can be achieved without complex additional measures

Energy saving

thanks to the snap-on adapter profile, the connection to the window is made without additional windproof sealing

Facade design

depending on requirements with roller shutter, external venetian blind or ZipTex curtain available
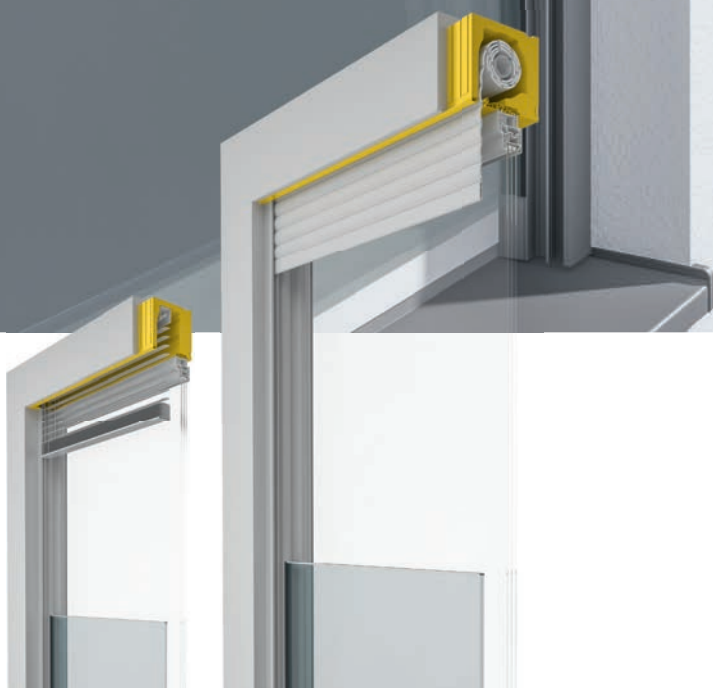
Insect protection

integrated insect protection available

GLASS SLIP GUARD
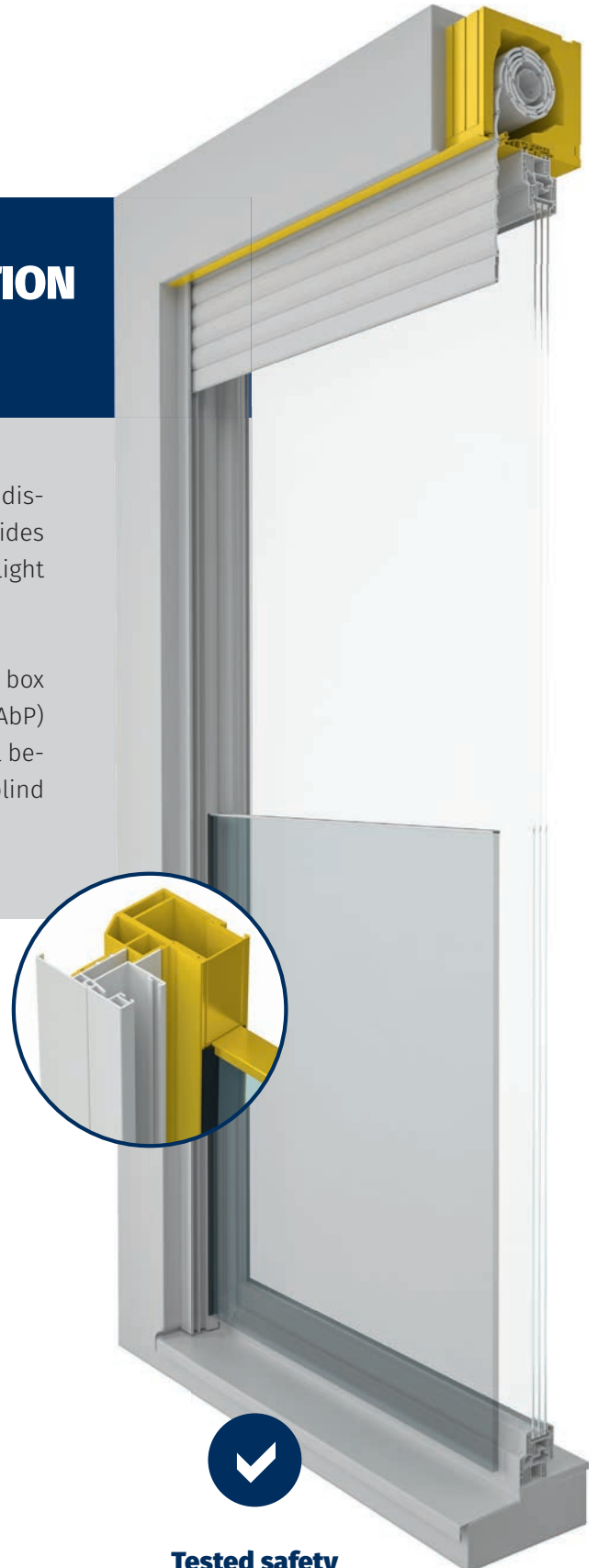## PROTECTION
FOR AK-FLEX

VENETIAN BLINDS   ROLLER SHUTTERS

GLASS SLIP GUARD PROTECTION

CAN BE INTEGRATED INTO AK-FLEX

The ALUKON slip guard protection is a modern, discreet solution for floor-to-ceiling windows. It provides unrestricted visibility to the outside and more daylight intake in the rooms.

Planning is carried out directly with the top-mounted box AK-FLEX. The 16 mm laminated glass (according to AbP) is inserted into the waterproof, multi-part guide rail between the window and roller shutter or venetian blind and fastened in a concealed manner.*

Quick and easy installation
directly with the top-mounted box
AK-FLEX, therefore no additional fastening
to the facade is necessary

Tested safety
Glass heights 50 to 110 cm
and system widths up to 280 cm;
with filigree glass edge protection

*Test certificate according to DIN 18008 for use in Germany is available. Under certain circumstances, coordination with local authorities may be necessary. We recommend you to inform yourself accordingly.

INSECTS STAY OUTSIDE

EVEN WHEN THE WINDOW IS OPEN

Our insect protection screen can be integrated into the
top-mounted box AK-FLEX with roller shutters or
venetian blinds.
In summer, it protects against annoying insects,
and in winter it disappears invisibly
into the box to save space.

AK-FLEX

INTEGRATED INSECT PROTECTION

FOR BETTER QUALITY OF LIVING

The optional insect protection screen mounted on a spring shaft is invisibly integrated in the box behind the curtain. It is available for the AK-FLEX box with roller shutter or venetian blind curtain.

It can be operated like a roller blind, pulled down if necessary and clicked into place via the easy-click mechanism and stored invisibly rolled up in the box in the winter.

The insect protection screen gauze is available in sturdy fabric in black or grey.

CONVENIENT OPERATION

THE RIGHT ONE FOR EVERY APPLICATION

Regardless of whether the motorisation is planned for a new building or is carried out afterwards during a renovation, with modern radio motors you have all the functionality you need to conveniently control individual roller shutters or groups of roller shutters from your sofa or desk.

With automatic controls, the roller shutter and sun shading systems fully open and close automatically - even when you are not at home.

Radio control
Radio drives with hand-held transmitters or timers offer additional convenience

Automation
With suitable hand-held transmitters or timers, sun protection systems are Smart Home compatible and can be integrated into existing house controls
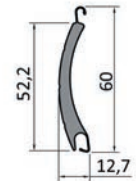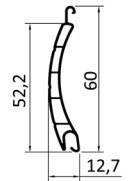
MOTOR DRIVES

THE COMFORT GAIN FOR YOU
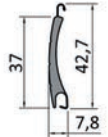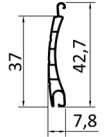
The motorisation of roller shutters and sun protection systems guarantees additional comfort.

ALUKON sun protection systems can be operated smoothly and quietly with electric motors simply by pressing a button or operated fully automatically.

OVERVIEW

Built-on roller shutters

Profile	M 317 foamed aluminium profile	KM 317 PVC roller shutter profile	M 521 foamed aluminium profile	KM 521 PVC roller shutter profile
	37 / 42,7 / 7,8	37 / 42,7 / 7,8	52,2 / 60 / 12,7	52,2 / 60 / 12,7
Technical data				
Profile blind surface	37,0 mm	37,0 mm	52,2 mm	52,2 mm
Weight (./. final slat):	2,80 kg/m²	3,00 kg/m²	3,10 kg/m²	3,60 kg/m²
Max. width	290 cm	200 cm	380 cm	280 cm
Max. surface	6,5 m²	3,0 m²	8,5 m²	4,6 m²
Profile colours				
	white	white	white	white
	light ivory	light ivory	light ivory	light ivory
	light beige	light beige	light beige	light beige
	santiago grey	santiago grey	santiago grey	santiago grey
	grey	grey	grey	grey
	cream white	wooden colour	cream white	wooden colour
	light grey		light grey	
	velvet grey		velvet grey	
	naturel		naturel	
	grey aluminium		grey aluminium	
	DB 703		DB 703	
	basalt grey		charcoal	
	charcoal		moss green	
	concrete grey		velvet brown	
	quartz grey		jamaican brown	
	black-grey		oak	
	deep black		teak	
	moss green			
	purple red			
	bronce			
	dark beige			
	velvet brown			
	oak			
	golden oak			
	teak			

Top-mounted roller shutter

slats	F 80 Flat slats	CV 80 flanged slats	Z 80 Z-shaped, flanged slats	LS 80 Light guiding slats
	78 / 8,3	80 / 10,5	83 / 14	80 / 11
Technical data for AK-FLEX				
max. width	500 cm	500 cm	400 cm	400 cm
max. height	450 cm	300 cm	260 cm	260 cm
Slat colours				
RAL 7016 anthracite grey				
RAL 7021 black grey				
RAL 7035 light grey				
RAL 7038 agate grey				
RAL 8019 grey-brown				
RAL 9001 cream white				
RAL 9006 white aluminium				
RAL 9007 grey aluminium				
RAL 9016 traffic white				
DB 703 iron-mica				
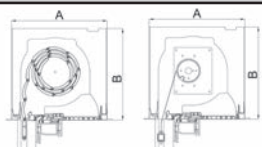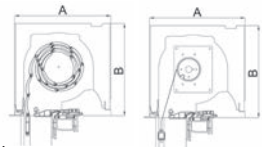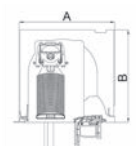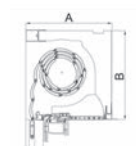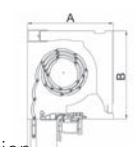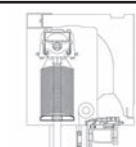
ZipTex (only for AK-FLEX)

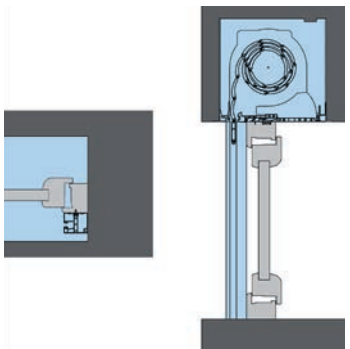|	Curtain variant
	Satiné 5500
	SOLTIS® VeoZip
	SOLTIS® 86
	SOLTIS® 92
	SOLTIS® B92 (blackout fabric)

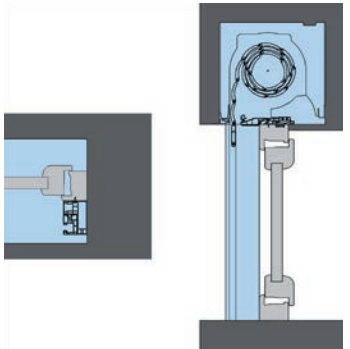Subject to technical changes. Colour deviations are printing related.

OVERVIEW

TOP-MOUNTED AND RENOVATION BOX

AK-FLEX

Shape of box	Base size	Box dimensions in mm		Usb value (W/m²K)
		A	B	
AK-FLEX				
Internal inspection	270	270	260	0.58
	300	300	260	0.52
	365	365	260	0.47
External inspection	270	270	260	0.53
	300	300	260	0.46
	365	365	260	0.40
Venetian blinds	270	270	260	0.44
	300	300	260	0.43
	365	365	260	0.35
AK-FLEX clinker boxes				
Internal inspection	253	253	260	0.65
	283	283	260	0.57
	348	348	260	0.50
External inspection	253	253	260	0.58
	283	283	260	0.49
	348	348	260	0.42
Venetian blinds	253	253	260	0.44
	283	283	260	0.47
	348	348	260	0.37
*depending on the installation situation				

Types of installation

Variants
AK-FLEX - Internal inspection
AK-FLEX - External inspection

Standard foils of guide rails for AK-FLEX
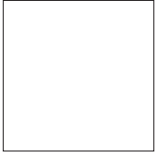
White (standard)

Golden oak
(Renolit no. 2178 001-1167)
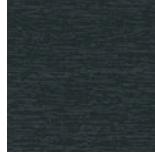
Anthracite grey
(Renolit no. 7016 05-1167)
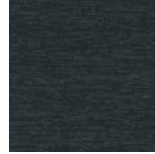
Anthracite grey smooth
(Renolit no. 7016 05-8083)

DB 703
(Hornschuch 436-1014)

Further foils available on request.

Subject to technical changes. Colour deviations are printing related.

ALUKON COLOUR RANGE

FOR ALL POWDER-COATED ALUMINIUM PRODUCTS

ALUKON RAL colour collection
in gloss, matt and textured paint coating

All other RAL colours, as well as roll-formed panels, prefabricated elements with roll-formed boxes in RAL, all extruded roller shutter profiles and finished shells are excluded from this special regulation. The corresponding prices and surcharges can be found in our catalogue or our item price list.

ALUKON Standard colours

detailed information in our price lists

ALUKON RAL colour collection

in gloss, matt and textured paint coating

RAL Classic Colours K7

in gloss surface

Special colours and manufacturer-related colour shades

subject to availability

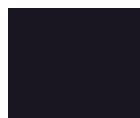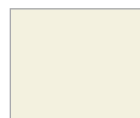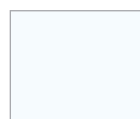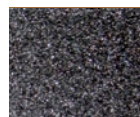|				
RAL 1015 light ivory	RAL 3004* crimson	RAL 3005 wine red	RAL 5011 steel blue	RAL 6005* moss green
RAL 6009 fir green	RAL 7001 silver grey	RAL 7004* signal grey	RAL 7012* basalt grey	RAL 7015 slate grey
RAL 7016* anthracite grey	RAL 7021 black grey	RAL 7022 umbra grey	RAL 7035* light grey	RAL 7037 powder grey
RAL 7038 agate grey	RAL 7039 quartz grey	RAL 8001* ochre brown	RAL 8003* clay brown	RAL 8007 fawn brown
RAL 8017* chocolate brown	RAL 8019* grey-brown	RAL 8022 black-brown	RAL 9001 cream white	RAL 9005 jet black
RAL 9006 white aluminium	RAL 9007 grey aluminium	RAL 9010 pure white	RAL 9016 traffic white	
6768* brown matt and textured	DB 703 metallic grey matt and textured	*highly weatherproof coating for matt surfaces		

Surface qualities

All aluminium surfaces are durable, easy to clean and have facade suitability with good light and weathering resistance. All products are coated in our own state-of-the-art powder-coating facility in the desired colours and surface qualities - Made in Germany.

Subject to technical changes. Colour deviations are printing related.

ALUKON SUN PROTECTION, ROLLER SHUTTERS AND INSECT SCREENS

QUALITY PRODUCTS MADE IN GERMANY

ALUKON is one of the leading German manufacturers of roller shutters, sun and insect protection products. Our production takes place at two locations in Konradsreuth in Upper Franconia and Haigerloch in Swabia.

ALUKON products are developed with great commitment and a high level of innovation and are made to measure from high-quality and durable materials, whether for modernisation or new construction.

Find the right product and colour variety for your needs and choose from a wide range of additional options. We offer you customised complete solutions from a single source.

With ALUKON products, you can individually adapt the privacy, indoor climate and lighting mood in the room.

More products and innovations can also be found at
WWW.ALUKON.COM

Consulting, planning, sales and assembly. Everything from one source.

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