



**ALUKON**  
Sonnenschutz Rollladen Insektenschutz

## **TOP-MOUNTED SYSTEM**

AK-FLEX

[WWW.ALUKON.COM](http://WWW.ALUKON.COM)

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Sonnenschutz Rollläden Insektenschutz

## **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](http://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 VENE-  
TIAN BLIND AS  
CLINKER VERSION



VENETIAN  
BLINDS



ZIPTEX INSPECTION  
INSIDE OR  
OUTSIDE



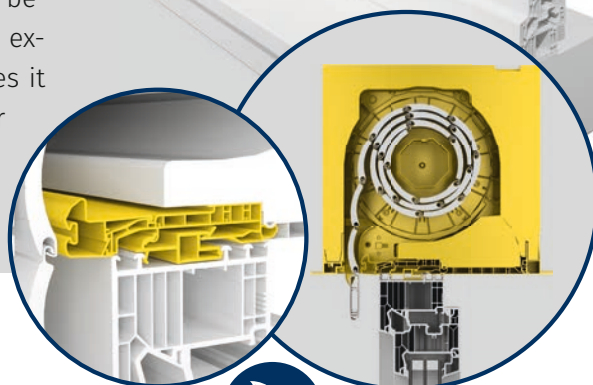
ROLLER SHUTTER INPSECTION  
INSIDE or OUTSIDE

## 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



### Facade design

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



### Energy saving

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

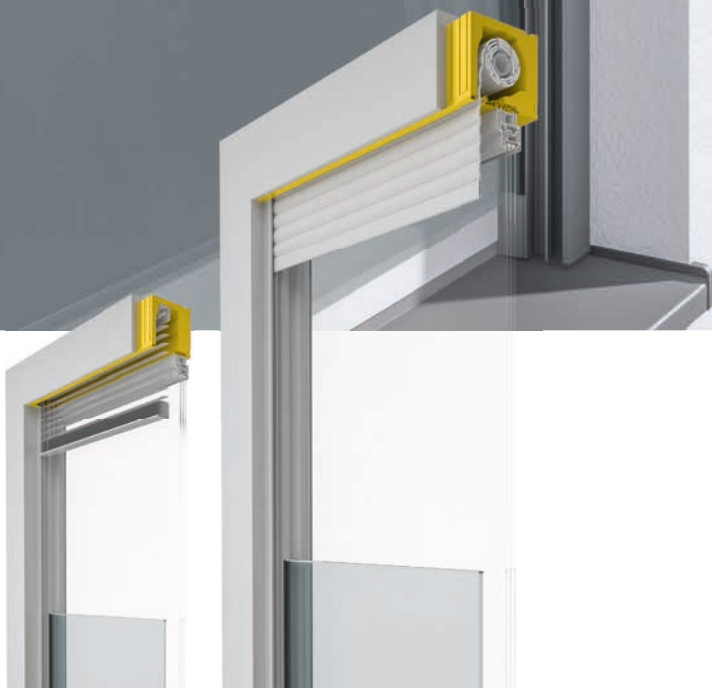


### Insect protection

integrated insect protection available

# GLASS SLIP GUARD

**PROTECTION  
FOR AK-FLEX**



VENETIAN BLINDS

ROLLER SHUTTERS

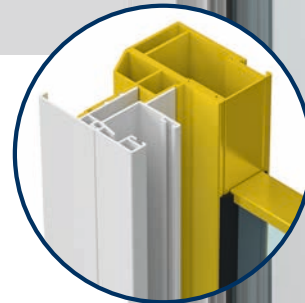


## GLASS SLIP GUARD PROTECTION

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

## CURTAIN VARIANTS


### 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
<b>Technical data</b>				
Profile blind surface	37,0 mm	37,0 mm	52,2 mm	52,2 mm
Weight (./ . final slat):	2,80 kg/m <sup>2</sup>	3,00 kg/m <sup>2</sup>	3,10 kg/m <sup>2</sup>	3,60 kg/m <sup>2</sup>
Max. width	290 cm	200 cm	380 cm	280 cm
Max. surface	6,5 m <sup>2</sup>	3,0 m <sup>2</sup>	8,5 m <sup>2</sup>	4,6 m <sup>2</sup>
<b>Profile colours</b>				
	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			
	bronze			
	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
				
<b>Technical data for AK-FLEX</b>				
max. width	500 cm	500 cm	400 cm	400 cm
max. height	450 cm	300 cm	260 cm	260 cm
<b>Slat colours</b>				
	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			

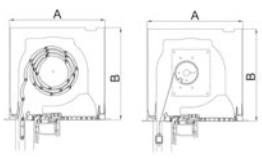
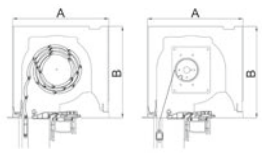
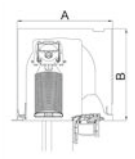
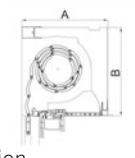
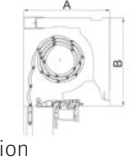
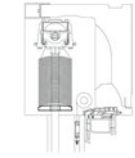
**ZipTex (only for AK-FLEX)**

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

# OVERVIEW

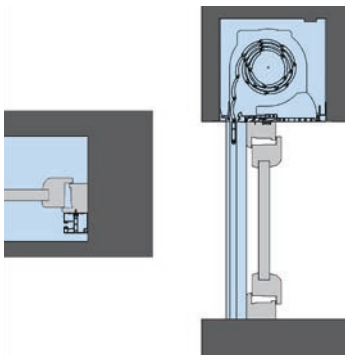
## TOP-MOUNTED AND RENOVATION BOX

### AK-FLEX

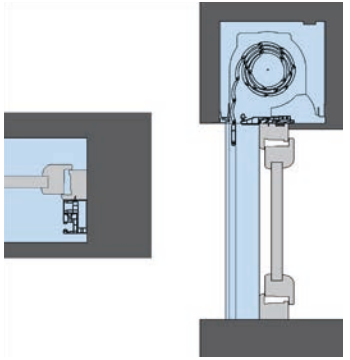
Shape of box	Base size	Box dimensions in mm		U <sub>sb</sub> value (W/m <sup>2</sup> K)
		A	B	
<b>AK-FLEX</b>				
 Internal inspection	<b>242</b>	242	250	0,67
	<b>270</b>	270	260	0,58
	<b>300</b>	300	260	0,52
	<b>365</b>	365	260	0,47
 External inspection	<b>242</b>	242	250	0,63
	<b>270</b>	270	260	0,53
	<b>300</b>	300	260	0,46
	<b>365</b>	365	260	0,40
 Venetian blinds	<b>242</b>	242	250	0,52
	<b>270</b>	270	260	0,44
	<b>300</b>	300	260	0,43
	<b>365</b>	365	260	0,35
<b>AK-FLEX clinker boxes</b>				
 Internal inspection	<b>253</b>	253	260	0,65
	<b>283</b>	283	260	0,57
	<b>348</b>	348	260	0,50
 External inspection	<b>253</b>	253	260	0,58
	<b>283</b>	283	260	0,49
	<b>348</b>	348	260	0,42
 Venetian blinds	<b>253</b>	253	260	0,44
	<b>283</b>	283	260	0,47
	<b>348</b>	348	260	0,37
*depending on the installation situation				

### Types of installation

**Variants**

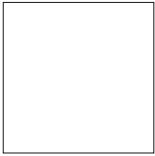


AK-FLEX - Internal inspection

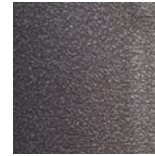


AK-FLEX - External inspection



**Standard foils of guide rails for AK-FLEX**

white (standard)

Golden oak  
(Renolit  
9.2178.001-116700)Anthracite grey  
(Renolit  
02.11.71.000041-116700)Anthracite grey smooth  
(Renolit  
02.11.71.000041-808300)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
























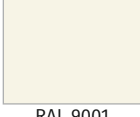







All other RAL colours, as well as roll-formed panels, prefabricated elements with roll-formed boxes in RAL, all extruded roller shutter profiles and finished shells are excluded from this special regulation. The corresponding prices and surcharges can be found in our catalogue or our item price list.

**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.

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

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