User manual

Manual operated ALU-Slide VDS ECO
Manual operated ALU-Slide AVANT

The new Generation of
Aluminium Sliding gates

ALUCONNECT

Manual for the user

Dear Customer,

We would like to thank you for your trust and for choosing this sliding gate. This manual contains all required information to quickly ensure you become familiar with this product.

This manual is meant for the user and ensures that the user can use and maintain the sliding gate correctly. The table of contents will assist you in finding the information that you need in this manual.

The sliding gate must be installed by a certified and professional installer, who uses an installation diagram and works in accordance with the applicable legislation and regulations.

We recommend that you carefully study the information in this manual before working with the product.
Ensure that you act in accordance with the instructions contained in this manual when using the sliding gate.
This manual contains the CE/Declaration of Performance and therefore you should keep this manual in a safe place to ensure that this manual can also be consulted at a later date when required. This will also ensure that any new user of the gate can study the manual before working with the product.

We recommend consulting a fencing installer approved by Aluconnect in case of faults.

A technical installation manual is available for this sliding gate and a programming manual is also available. These manuals contain detailed information.

You can request these manuals from the installer of your sliding gate.

For more informaton or to order manuals, contact:

ALUCONNECT

Disclaimer

The sliding gate may only be used for closing passages dynamically. Aluconnect cannot be held liable for any damage caused by improper, incorrect or unwise use. Read and fully understand this manual.
If you deviate from the described actions in the user manual, any guarantees or liability of the manufacturer will be null and void. The manufacturer cannot accept any liability for consequential damages.

Installing the gate must meet specific requirements. The installation manual must always be adhered to and the installation must be performed by an appropriately certified and professional installer while observing the applicable legislation and regulations. Safety must always be safeguarded so that users and third parties can safely use the sliding gate. The fencing installer is responsible for the correct installation. The installer can contact Aluconnect with any questions or issues that are unclear regarding the installation.

Table of Content

1. Introduction

1.1. Manufacturer

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps
Tel.: +31 (0)88 33 43 000
E-mail: office@aluconnect.nl
Website: www.aluconnect.nl

1.2. Service and maintenance

- For maintance or technical questions, contact your installer/supplier.
- You can also contact the manuafcturer. You will then be put into contact with a Aluconnect partner in your area.

1.3. Definition of the competences of persons

User:
The user is the person who uses the sliding gate. The user must be familiar with all safety aspects specified in this manual. The user may not perform installation work on the gate unless the user has been expressly specified and named.

Fencing installer:
The installer is a fencing specialist who is qualified to perform technical operations on the gate.

1.4. Contemplated use and application

The operation of the gate is very simple. However, the user manual must be read with due care and attention before use is made of the gate.
The installer of the installation company must instruct the user with regard to the use of the sliding gate.

The sliding gate must always be installed horizontally and may only be used for controlled access to a site, building or location.

All installation work must be performed by professional and certified personnel. The installation company is responsible for the deployment of professional and certified personnel.

1.5. Conformity and Declaration of Conformity

The sliding gate is supplied in accordance with the following EU directives and regulations:
305/2011 EU Construstion Product Regulation (CPR)

Where the sliding gates are produced in accordance with the EN13241 standard and the related supporting EN12604, EN12605 and EN12635 standarts.
A Declaration of Perfomance (DoP) and a CE mark are drawn up for the sliding gates.
The combined CE Declaration of Performance can be found at the back of this manual.
The CE mark can be found on the nameplate. This figure is added to the guidepost and may never be removed.

1.6. Delivery

The sliding gate is installed, connected, adjusted and programmed by a fencing installer.
The installer also connect any options and accessories.

The operation of the gate including the relevant options and accessories must be gone through and explained to the user upon delivery.

You can add additional options and accessories after delivery.
Contact your supplier for more information.

2. Safety aspects

2.1. Symbols

Warning

Instructions that include this symbol warn in relation to the risk of damage to the machine or breakdowns if the instructions are not closely followed.

Entrapment hazard

Instructions that include this symbol warn in relation to physical injury if the instructions are not closely followed.

Electrocytion danger

Instructions that include this symbol warn in relation to the danger due to electricity if the instructions are not closely followed.

2.2. General safety

Important

- All installation work must be performed by professional and certified personnel. The installation company is responsible for the deployment of professional and certified personnel.
- The sliding gate may only be put into operation after it has been fully installed and tested.
- Ensure that you (as the user) are correctly trained about the use of the gate by the fencing installer.
- Before starting to use the gate, you must have carefully read the user manual.
- If you deviate from the described actions in the user manuals, any guarantees or liability of the manufacturer will be null and void. The manufacturer cannot accept any liability for consequential damages.
- Ensure that the instructions specified in the user manual are followed and observed. Any other type of use may cause unpredictable hazards and is therefore prohibited.
- Safeguard public safety during use. Pay, for example, near schools additional attention to the safety of children.
- The sliding gate may not be operated by children or people with an impairment. Adults must supervise to ensure that children do not play with or within the range of the sliding gate. Parents/ carers are responsible for their children.
- Ensure that the gate runs smoothly. If the gate does not run smoothly, contact your supplier.
- The gate wing may not be increased in weight or the surface area of the gate infill may not be increased. If required, contact your gate supplier.
- PEOPLE MAY NOT HITCH A LIFT ON THE SLIDING GATE.
- Only operate an unlocked and manually operated sliding gate with the handle. Use the full handle to avoid the risk of entrapment.
- It is mandatory to be able to lock a sliding gate at all times to prevent unintentional movement. Manual operated sliding gates are standard supplied with a wind security handle. To secure an unlocked automated sliding gate, there are several options available from your supplier of the sliding gate.
- Ensure that the slide area is always free from obstruction.

2.3. Warning on Entrapment Hazerd

ENTRAPMENT HAZERD

- The sliding gate may only be opened and closed under supervision and by people with sufficient experience and knowledge of the sliding gate.
- Operate an unlocked and manually operated sliding gate using only the handle. Use full grip to avoid risk of pinching.
- Uncontrolled movement of the gate leaf (e.g. due to wind) must be prevented both when open and when closed. A gate holder is used for a hand-operated gate; a gate holder is available for an unlocked automated sliding gate.
- If the gate leaf is opened or closed uncontrolled, structural deformations of the gate can occur, which can pose a danger to people and the environment.
- An unlocked and manually operated sliding gate must never be opened or closed in an uncontrolled manner!

2.4. Wind load regulations

WIND LOAD

The sliding and swing gates from Aluconnect are manufactured in accordance with the EN 13241-1 standard.
The EN 12424 standard is observed with regard to the wind load.

- Wind class 2 is applied as wind load either 450 Pa.
  This means that the gate can withstand wind speeds of up to 102 km/h in the closed position.

- For Industrial sliding gates up to and including 8000mm width, a wind load is answered to wind class 3 either 700 Pa.
  This means that the gate can withstand wind speeds of up to 133 km/h in the closed position.

Wind strength	Classification EN 12424	Dynamic pressure Pa = N/M²	Wind force Beaufort	Wind speed in m/s	Wind speed in km/h
Calm	Class 0	0	0	0 - 0,2	0
Strong gale	Class 1	300	9	20,8 - 24,4	75 - 88
Violent storm	Class 2	450	10	24,4 - 28,4	89 - 102
Hurricane	Class 3	700	12	32,7 - 36,9	118 - 133
Heavy hurricane	Class 4	1.000	13	37,0 - 41,4	134 - 149

NOTE:

The gate may only be set in motion at a maximum of 50% of the wind speed in the respective class.
This applies to both manual and electric gates.

- For class 2, the gate may not move if the wind speed exceeds 51 km/h.
  A wind speed of 51 km/h matches wind force 6 - 7 accordance with the Beaufort wind scale.

- For class 3, the gate may not move if the wind speed exceeds 66 km/h.
  A wind speed of 66 km/h matches wind force 8 accordance with the Beaufort wind scale.

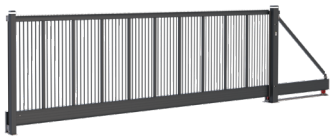
(see table below).

Wind strength	Dynamic pressure Pa= N/M²	Wind force Beaufort	Wind speed in m/s	Wind speed in km/h
Strong breeze	71,6 - 116,7	6	10,8 - 13,8	39 - 49
High wind	117,7 - 179,5	7	13,9 - 17,1	50 - 61
Stormy	181,3 - 262,4	8	17,2 - 20,7	62 - 74

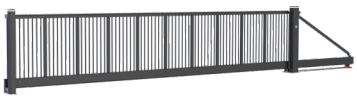
3. General

3.1. Models

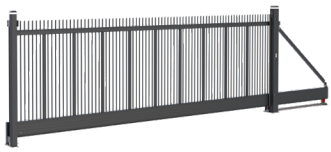
Below you can see the versions used in the manual sliding gates, all sliding gates can be made in a single or in a sliding gate sliding towards each other:



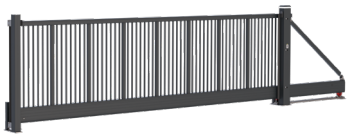
Industrial Vira
(30x30mm)



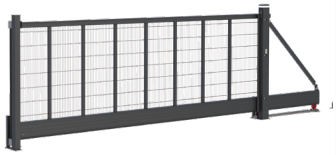
Industrial Punta
(ø30mm with sharp edge)



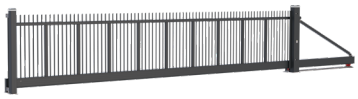
Industrial Rosa
(ø30mm extended)



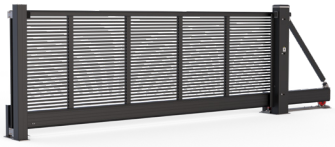
Industrial Nika
(ø30mm Smooth upper beam)



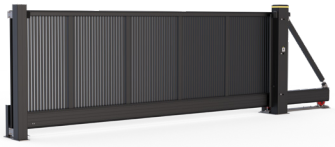
Industrial Dura
(DSM 868)



Industrial Kyra
(23x23mm diagonal)



Design Levi 30H
(Horizontal Infill 30x25)



Design Levi 30V
(Vertical Infill 30x25)

Design Levi 80H
(Horizontal Infill 80x25)

Design Levi 80V
(Vertical Infill 80x25)

Design Lara 1xC
(3mm Aluminium plate)

Design Luna 100H
(Horizontal Infill 100x25)

Design Luna 100V
(Vertical Infill 100x25)

Design Luna 200H
(Horizontal Infill 200x25)

Design Luna 200V
(Vertical Infill 200x25)

Design Luka 100S
(Rounded shutters 100x35)

Design Lucy 70S
(Angular shutters 70x20)

3.2. Dimensions

3.2.1 Standard heights VDS ECO

Design: 955, 1155, 1355, 1555, 1755, 1955mm.
Industrial: 1000, 1250, 1500, 1800, 2000, 2500mm.
Industrial Dura: 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400mm.

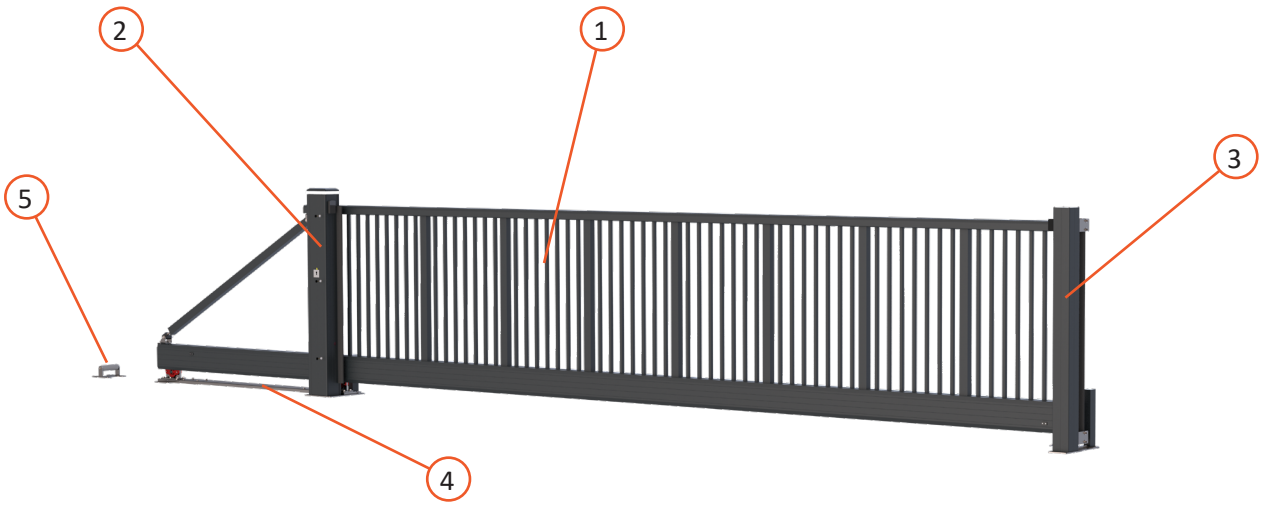
3.2.2 Standard heights AVANT

Design: 1035, 1235, 1435, 1635, 1835, 2035mm.
Industriall: 1000, 1250, 1500, 1800, 2000, 2500mm.
Industriall Dura: 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400mm.

Passage Sliding gate Width dimension (mm) between the posts	Length Wing Width dimension (mm) Wing	VDS ECO Industrial	VDS ECO Design	AVANT Industrial	AVANT Design
3000	4600	✓	✓	✓	✓
4000	5700	✓	✓	✓	✓
5000	6700	✓	✓	✓	✓
6000	8200	✓	✓	✓	✓
7000	9200	✓	✓	✓	✓
8000	10700	✓		✓	
9000	11700			✓	
10000	13200			✓	
11000	14200*			✓	
12000	15900*			✓	

** The wing is being delivered in 2 pieces and needs to be screwed together on the site.*

3.3. Erklärung der Torteile



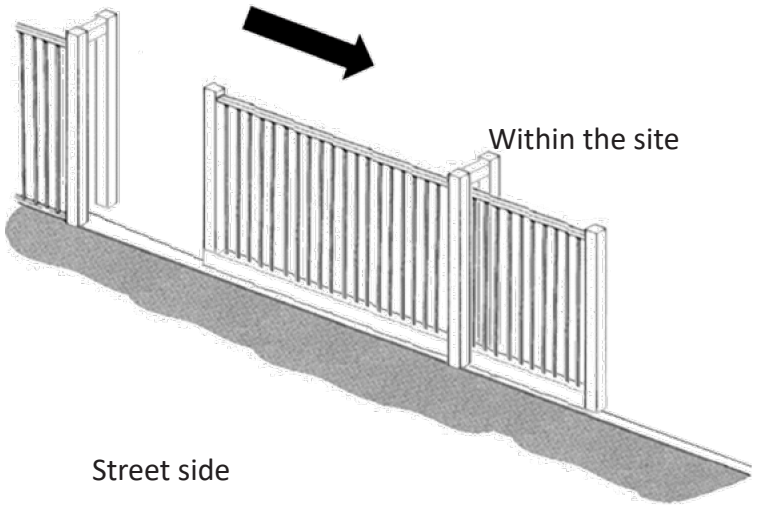
1	Gate wing	4	Tandem set
2	Guid post	5	Rear support roller
3	Slam post		

3.4. Sliding direction

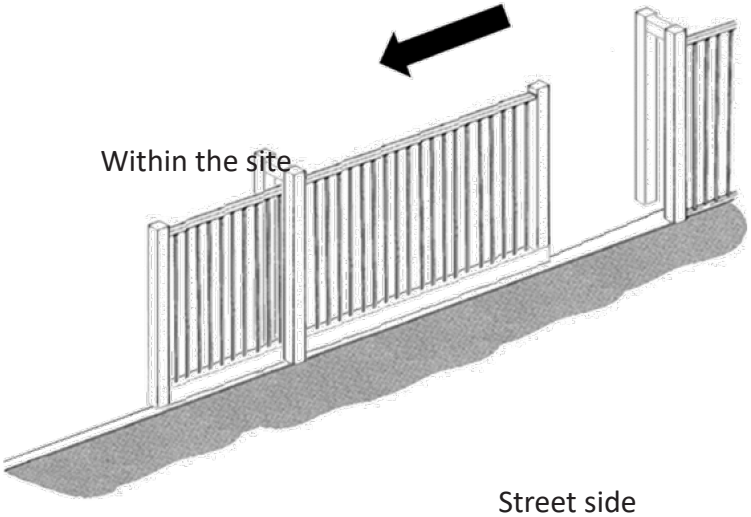
In practice, we refer to the sliding direction when opening when you are standing on the road side and looking at the sliding gate.
For example:

- DIN Right when viewed from the outside and opening to the right
- DIN Left when viewed from the outside and opening to the left

3.4.1. DIN Right

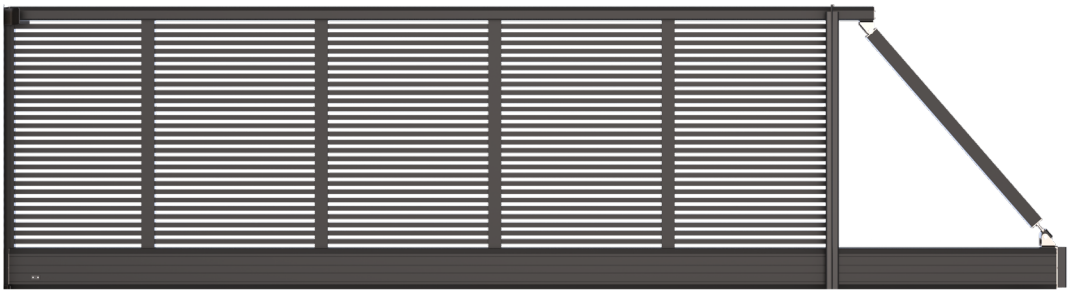


3.4.2. DIN Left



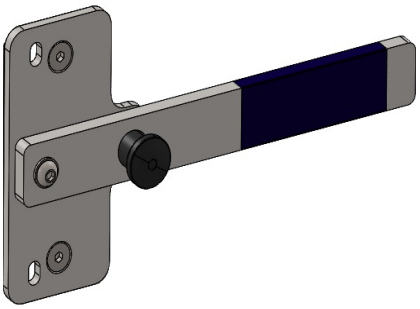
3.5. Standard components

The sliding gates consist of different components.
You can find which standard components make up the different gates by visiting the Aluconnect website.
www.aluconnect.nl

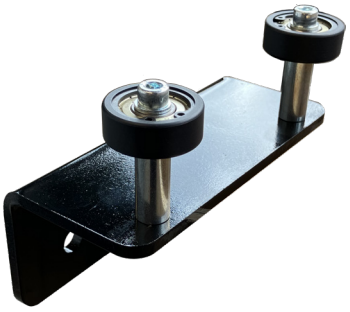


Gate wing

Guide post



Wind security handle



Upper guideance

Slam post

Sliding gate keep

Sliding gate lock

Rear support roller

3.6. Optional components

Below we provide a summary of the most frequently used optional components. Several optional components are possible. Therefore, ask your supplier about the optional component that you require.

Flashing light incl LED lighting

Swing gate

Connecting panels

Concrete / Rapid concrete

4. Gate description

4.1. Technical data gate

Sliding gate Width dimension (mm) between posts	Sliding gate Length (mm) gate wing	Type	C-profile lower beam	Upper beam profile	Guide post	Slam post 150x150	Head beam profile 100x80	Vertical beam profile 80x60
3000	4600	VDS ECO Design	180x160	124x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
4000	5700	VDS ECO Design	180x160	124x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
5000	6700	VDS ECO Design	180x160	124x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
6000	8200	VDS ECO Design	180x160	124x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
7000	9200	VDS ECO Design	180x160	124x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
8000	10700	VDS ECO Industrial	180x160	124x65	1-legged	✓	✓	✓
		AVANT Industrial	250x160	140x75				
9000	11700	AVANT Industrial	250x160	140x75	1-legged	✓	✓	✓
10000	13200	AVANT Industrial	250x160	140x75	1-legged	✓	✓	✓
11000	14200	AVANT Industrial	250x160 Connected	140x75 Connected	2-legged	✓	✓	✓
12000	15900	AVANT Industrial	250x160 Connected	140x75 Connected	2-legged	✓	✓	✓

- *For manually operated sliding gates ≤10000mm wide, the dimensions of a 1-legged guide post is 150x150 and for a width >10000mm, the size of a 2-legged guide post is 150x150/150x150.*
- *For automated sliding gates ≤10000mm wide, the dimensions of a 1-legged guide post is 250x180 and for a width >10000mm, the size of a 2-legged guide post is 250x180/150x150.*

4.2. Adjustment activities

The gate system will be adjusted in such a way when installed that it meets the agreed requirements. A user may not make any changes. If changes in the configuration or construction should be required later, contact your installer/supplier. If the user or third parties should change the adjustments made by the installer, guarantee claims will no longer be possible and Aluconnect can no longer be held liable.

5. Maintenance and maintenance schedule

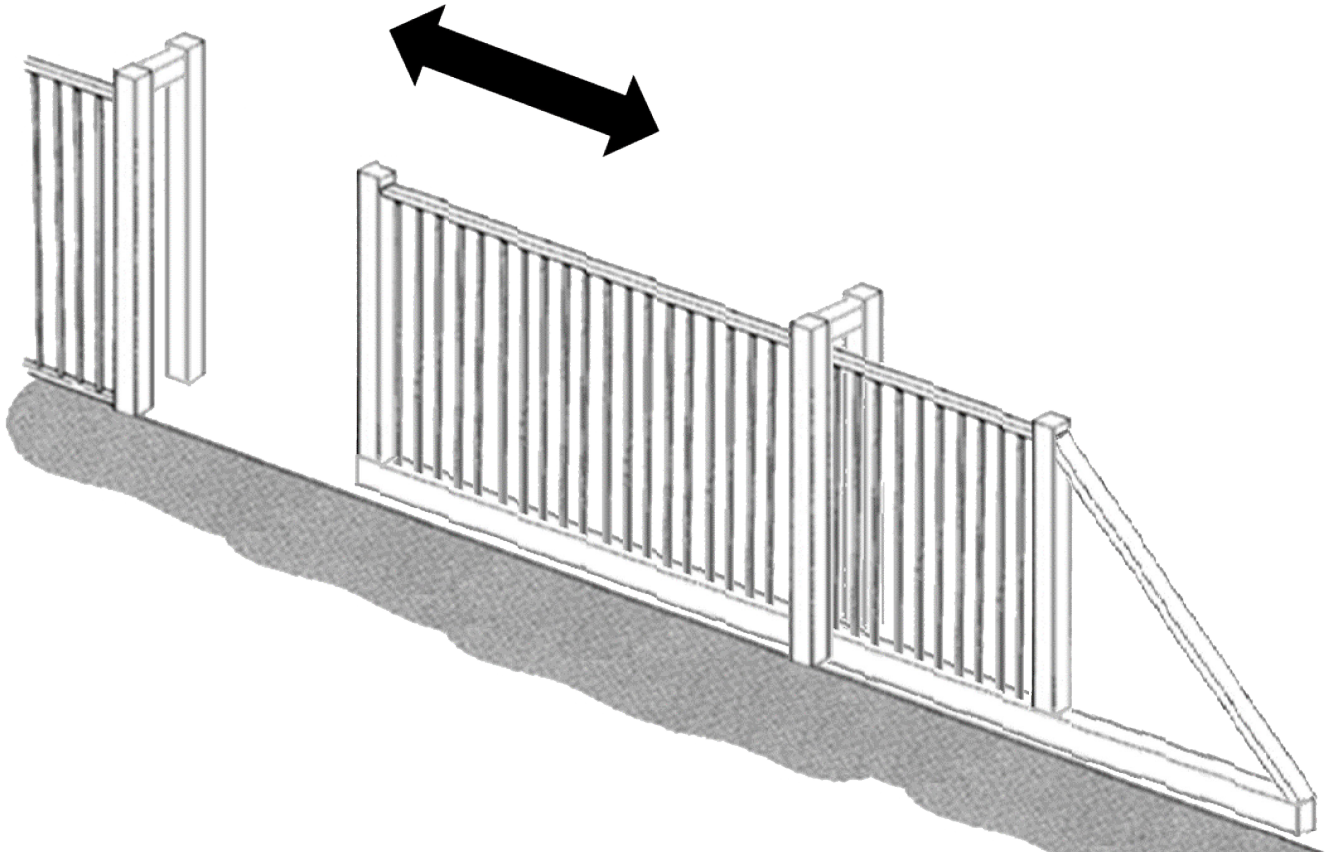
5.1. General

Note

- If electric components are present on the sliding gate, you must always disconnect the power supply before performing maintenance. Next, if there is a battery pack present, do not forget to disconnect the battery connection from the circuit board.
- Always bear in mind the entrapment hazard and the possibility of an electric shock during maintenance!

5.2. Daily care and maintenance

- Ensure that the slide area is always free from obstruction such as by growing or loose grass, leaves, branches that have grown through, snow, sand, stones, etc. so that the gate can move freely.
- Ensure that the gate runs smoothly.
- Check for damage.



5.3. Monthly maintenance

Cleaning
Clean the inside of the bottom profile once a month. This will prevent the penetration of dirt in the guide and prevent the gate from blocking or becoming stuck when operational.

- Put the gate in the closed position.
- Disconnect the power supply.
- Wipe clean the bottom profile using a cloth and therefore remove dust particles from the inside.
- Reconnect the power supply and check the gate to ensure its correct operation.

Never use grease or similar products in the guide system (C-profile).

Clean the sliding gate coating two to three times a year in the following manner:

- Spray the sliding gate with cold tap water to remove coarse dirt.
- Apply a pH neutral non-abrasive cleaning agent.
- Allow the cleaning agent to soak in sufficiently according to the respective product information. Then wipe the sliding gate with a soft cloth.
- Rinse abundantly with tap water. Preferably use warm water of approx. 40 °C for this purpose.

Clean the gate even if it has been exposed to aggressive conditions (e.g. road salt).

5.4. Annual maintenance

As owner of the slding gate, keep your sliding gate in functional new condition.
To realize this, the gate must be inspected at least once a year.
A general inspection must be performed with regard to the correct operation of sliding, rotating and moving parts as well as the sliding-, guiding- and locking parts. If components need to be replaced, to ensure your gate is in functional new condition, contact your supplier.
You can enter into a maintenance contract for this with the supplier of your gate.

5.5. Coating maintenance recommendations

These are the coating maintenance recommendations related to the VISEM Duplex-system powder coating quality requirements.

Ensure the coating is in good condition!

General
Aluminium and galvanized steel with a coating that meets the VISEM quality requirements has a long service life. This coating maintenance which is in the form of regular cleaning, can also extend the service life to an important extent and needs no further explanation.

Soiling
The coating may become dirty in a forest environment because of, for example, the growth of algae. Iron and/or copper particle deposits from the use of the rail will also have a coating soiling effect. At the coast up to approximately 25 km inland, it is mainly chlorides (salt) that have a negative effect on the coating. The coating will also be soiled by an acid environment in urban and industrial areas. In addition to this specific soiling, micro-dust is also deposited on a daily basis that settles in corners and adheres to the coating at these locations.

Maintenance and care
A correctly applied powder-coating system will retain its protective effect for many years. In addition, it guarantees an aesthetic look and feel when cleaning is part of the regular maintenance provided.

Cleaning method and frequency
We find coated galvanized aluminium inside, outside and around buildings. Window profiles are usually cleaned as part of window washing. However, fences, wall panels, structural parts and, for example, lampposts must be cleaned separately.

Cleaning the coated surfaces demands special knowledge and especially about:

- The nature and degree of dirt
- The cleaning equipment
- The cleaning methodReinigingsmiddelen
- Accessibility
- The design of the item

It is the job and responsibility of the cleaning company to recommend the most effective method for each situation. It is usually sufficient to have a standard cleaning plan drawn up in advance such as:

- Removal of coarse dirt by jetting using mains water.
- Spraying with a neutral or slightly alkaline cleaning agent and allowing it to act.
- Loosening the dirt deposit manually from the surface by using a white non-woven nylon hand pad.
- Next, rinsing thoroughly using mains water.

The warranty conditions will lapse if the maintenance guidelines described above are not followed.

Coating care

Despite the application of excellent UV-resistant powder coatings and even with careful regular cleaning, treatment with a wax-based product is useful as an extra protection.

Cleaning products

Cleaning products must never negatively affect the coating and adjacent materials. This is why only neutral agents are allowed with a pH value between 6 and 8. Cleaning products must not contain scratching and/or (fine) abrasive materials. It should therefore be obvious that emery cloths, sanding paper, steel wool, Scotch-Brite pads, wire brushes and similar coarse tools/materials may not be used.

Maintenance and care tips

- Prevent damage to the coating.
- Clean the coating in a timely manner and carefully.
- Inspect the coating after cleaning on defects and have this repaired professionally immediately.
- Never use abrasive and/or scratching cleaning products and/or tools.
- Use pH neutral cleaning products that are also suitable for the environment (glass, rubbers, kits, plastics, etc.).
- Always rinse clean using mains water after cleaning.
- Use wax as an extra protective layer in the last rinsing water.

The cleaning frequency (see the table below) is determined, to an important degree, by the degree of dirt, the nature of and the degree of importance and by visual aspects. The dirt-loading factors as described under “soiling” often occur together. We then refer to an increased load factor. In all individual cases, a normal load is involved.

In addition to soiling, the coated surface is also regularly cleaned by the rain. When this important natural cleaning is involved, this coated surface will be less negatively affected than the parts that are under walls and/or are located in a lee.

Cleaning frequency

	Load factor	Load factor
	C2 - C3	C4 - C5
Flat surface that has not been rained on	1x per year	2x per year
Flat surface that has not been rained on	2x per year	3x per year
Profiled surface that has been rained on	2x per year	3x per year
Profiled surface that has not been rainon on	3x per year	4x per year

The Powder Coating Warranty Conditions will lapse if the maintenance and cleaning advice described above is not complied with.
The Warranty Conditions powder coating can be requested from the supplier of your gate.

6. Environment, disassembly, storage and transport

6.1. Environment

Recycling

At the end of the product's service life, it must be disposed of separately from other waste.

6.2. Disassembly

Ask about the options on how to dispose of the product within your region when the product will no longer be used. Do not throw away electric equipment and components such as batteries and the accumulator, instead determine whether the product (or its components) can be delivered, recycled or reused.

If you do not have any of these options, skilfully remove all components that can be reused yourself such as metals, fastening materials and electric components. Remove plastic components for recycling.

6.3. Storage and transport

If you want to store or transport the product, make sure that you correctly package the product.
The product must be stored in a dry environment.

7. Declaration of performance

7.1. Declaration of Performance (DoP): VDS ECO, Manual, Wind class 3

project / serial number	For example: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DoP No.	VDS ECO Manuel operated Wind class 3
CE marking	CE 24
Identification code	VDS, Manual, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	NPD
Water-tightness, thermal resistance and air permeability durability against degradation.	4.4.7	NPD

Unterzeichnet von:

Name	Eric Jans
Job title	Director
Location	Haps
Date	18-07-2024
Signature	

7.2. Product features: VDS ECO, Manual, Wind class 3

Model	DoP No.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single sliding gate	VDS ECO Manual Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Manual operated	Manual operated	Manual operated
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 1955mm			

7.3. Declaration of Performance (DoP): AVANT, Manual, wind class 3

project / serial number	For example: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DoP No.	AVANT Manual operated Wind class 3
CE marking	CE 24
Identification code	VDS, Manuel, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	**Requirements**	**Performance**
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	NPD
Water-tightness, thermal resistance and air permeability durability against degradation.	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.4. Product features: AVANT, Manuel, Wind class 3

Model	DoP No.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single sliding gate	AVANT Manual Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Manual operated	Manual operated	Manual operated
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 2035mm			

7.5. Declaration of Performance (DoP): AVANT, Manual, Wind class 2

project / serial number	For example: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DoP No.	AVANT Manual operated Wind class 2
CE marking	CE 24
Identification code	VDS, Manual, Class 2
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 2
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	NPD
Water-tightness, thermal resistance and air permeability durability against degradation.	4.4.7	NPD

Signed by:		
Name	Eric Jans	
Job title	Director	
Location	Haps	
Date	15-04-2024	
Signature		

7.6. Product features: AVANT, Manuel, Wind class 2

Model	DoP No.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single sliding gate	AVANT Manual Wind class 2	Punta Rosa Nika Dura Vira Kyra	> 8000mm ≤ 12000mm	≤ 2500mm	Manual operated	Manual operated	Manual operated

8. Notes

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