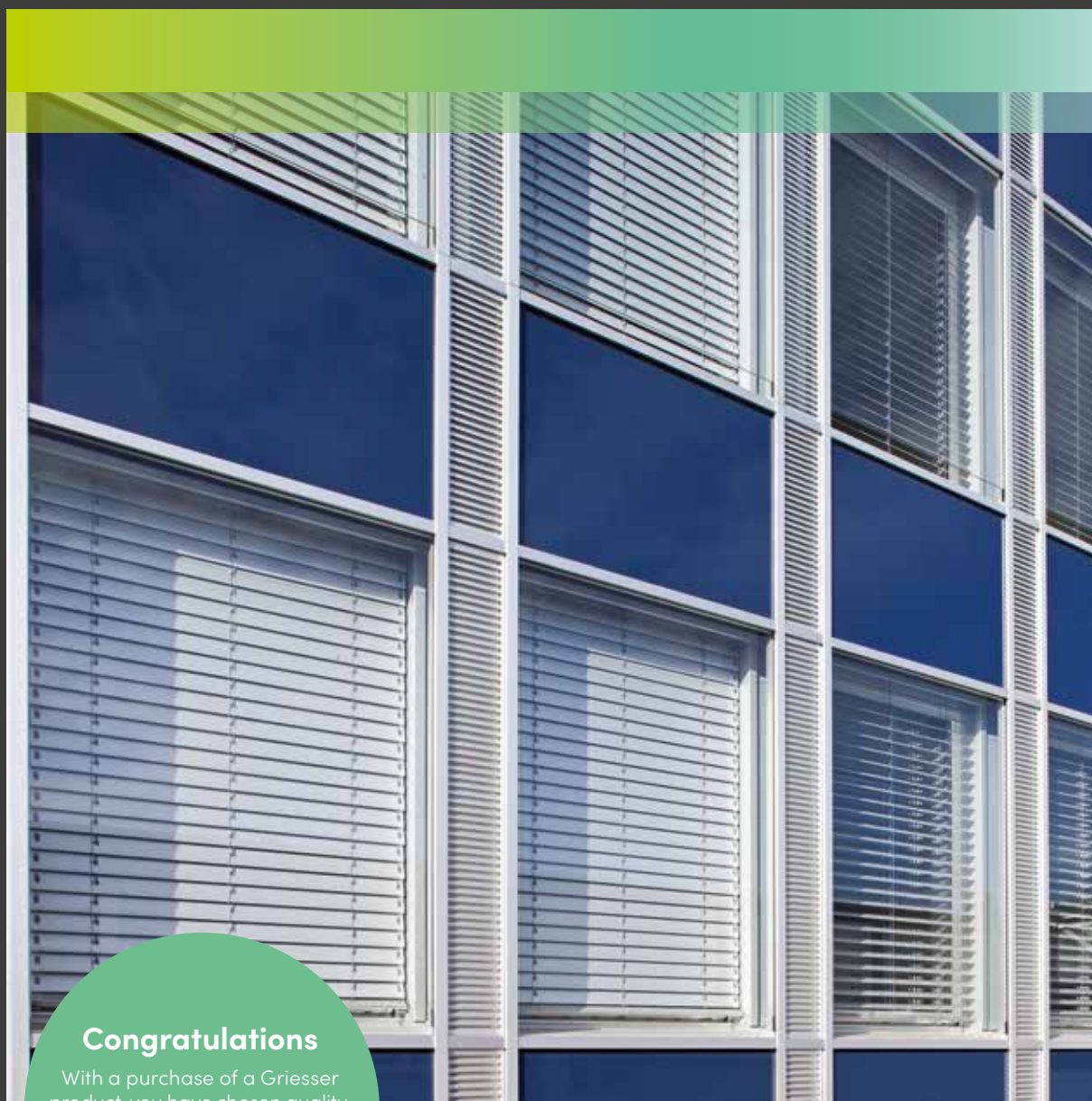


Operating Instructions

Aluflex®



Congratulations

With a purchase of a Griesser product, you have chosen quality.

Please read these instructions before using the product for the first time.

General Information

External venetian blinds provide solar shading. They should not be considered security equipment. They can be automatically or manually tilted at any height adjustment.

The operating instructions must be handed out to the user and to the person responsible for the maintenance.



General information about the QR code (URL with serial number)

This information only applies to products after February 2021. Older production series do not have a QR code.

- To each product is assigned a unique serial number to ensure whose traceability.
- The label with the QR code must not be removed under any circumstances.



General Hazard and Safety Information

- Property damage and bodily injury may result from improper handling or disregarding safety information.
- In the event of damages resulting from non-observance of these instructions or of the accompanying documentation, all warranty claims become null and void.
- Griesser AG accepts no liability for consequential losses or damages.



Safety Information for Operation and Use

Risk of injury or damage to the product from improper operation

- Attach operating controls within view of the curtain, in accordance with national regulations.
- Keep operating controls out of the reach of children.
- May only be operated by trained persons.
- Do not touch moving parts when deploying or retracting blinds. Risk of crushing obstacles in the deployment area.
- Do not allow jewelry, clothing, hair or body parts to become entangled in the product.
- Stand clear until the end position has been reached.
- Do not touch any interior parts that are exposed due to damage (e.g. cables/cords, control elements).
- Before moving the unit, please check that there is no obstacle in the travel path.

Damage to the product from icing

- In winter, check products for icing before operating. In the event of icing, do not operate.
- Discontinue automatic operation in winter, even if icing has not been predicted.

Risk of injury due to inadequate maintenance

- Check products regularly for signs of wear.
- Do not use products that require repairs.
- Malfunctions may only be rectified by trained and qualified personnel.

Use only original Griesser replacement parts

- No assurance is provided that the product will function with accessories, parts or operating equipment made by other manufacturers. Modifications to the product that are not expressly approved by Griesser render warranty claims null and void.

Risk of injury or damage to the product from unintentional operation

- Disconnect products from the power supply power when maintenance work is taking place.
- Observe safety distances.

Risk of damage to the product from improper operation

- When operating manually, do not use force to deploy/retract blinds.
- Do not operate products beyond their mechanical limits.
- Retract curtains before permitted wind load is exceeded.

Risk of injury and damage to the product from interruptions to the power supply (e.g. power outages)

Ensure that situations dangerous to people and the product do not arise



Electrical Installations

Electrical connections may only be carried out by certified electricians

- Additional national regulations regarding the maintenance and repair of electrical systems shall be observed. These may result in an increase in the maintenance intervals.

Operation

Motorized operation

Blinds are operated using central or local wall-mounted or hand-held controls with an Up/Down/Stop button. The operating functions of the controls are described in the operating instructions for the controls.

Manual operation

Blinds are operated using an articulated crank.

Use

- The external venetian blinds meet the requirements of the wind classes indicated in the declaration of conformity and may remain extended only up to the specified wind class.
- External venetian blinds provide solar shading and may not be used as security equipment.
- When operating the awning manually, stand directly in front of the crank assembly to operate the blind.
- When operating an external blind, ensure that no obstacles (flower pots, toys, chairs, etc.) are located in the blind's path.
- Never lower the blind with the window open (European standards and guidelines).
- When operating the blind manually, do not use force if the blind jams. Change the direction of rotation in order to check if the blind has reached the end of the track.

Maintenance / Inspection



Any repairs must be carried out by a qualified technician.

Interval	Location	Task
Monthly	Avoid damage to positioning mechanism due to harmful environmental influences	<ul style="list-style-type: none"> • Move product through complete range, from top to bottom, at least once
Several times a year	Guides and slats	<ul style="list-style-type: none"> • Check guides • Clean (depending on contamination level caused by surrounding area and environmental impact) • Remove any foreign objects (e.g., leaf debris)
	Cable tension	<ul style="list-style-type: none"> • Check cable tension • Retension or replace cable tensioner if necessary

Additives that can be used for maintenance



Alkaline, acidic or abrasive lubricants must not be used.

Resources	Location	Task
Rinse with clear water	Entire Product except motor	Cleaning the slats and guides
Grease-free lubricants	Guide	Lubricating the slider and the guide rails
Silicone grease		
Dry lubricants		
PTFE-based aerosol		

Cleaning

The air contains minuscule solid particles, such as dust, rust, and aggressive substances including salt and kerosene, which encourage corrosion and have a negative impact on how the blinds function. External venetian blinds are equipped with various mechanical parts that must therefore be serviced regularly to ensure long-term use.

Use a soft cloth or non-abrasive sponge to apply lukewarm water with a highly diluted, mild cleaning agent to the slats. Carefully scrub away dirt. It is imperative that you then rinse the slats well with clear water.



Cleaning agents with alkaline, acidic or abrasive active ingredients and pressurized steam cleaning may not be used!

Interval	Environmental conditions
Monthly	<ul style="list-style-type: none">• Outdoor areas with exceptionally harsh conditions• Coastal and offshore areas with high salt exposure• Near the coast 0–3 km
Quarterly	<ul style="list-style-type: none">• Outdoor area with very harsh conditions• Industrial atmosphere with high relative humidity and aggressive atmosphere• Near the coast 3–10 km
Half-yearly	<ul style="list-style-type: none">• Industrial atmosphere and coastal atmosphere with moderate salt contamination• Near the coast >10 km

How to clean

Step	Task
1	Moisten with water
2	Use a sponge or non-abrasive cloth
3	Use a suitable cleaning product
4	Rinse thoroughly with clear water

Avoid extreme temperatures for cleaning.

Maintenance and cleaning are essential to ensure the product's longevity over time.

Wind classes of Griesser external venetian blinds

Product	Permissible wind resistance class limit values ¹								
	Width (mm)	1500	2000	2500	3000	3500	4000	4500	5000
Aluflex® 60 with guide rail ²		4	4	3	(3)	(3)	(3)	(3)	-
Aluflex® 80 with guide rail ²		4	4	3	(3)	(3)	(3)	(3)	-
Aluflex® 60 with guide cable ³		4	4	4	3	(3)	(3)	(3)	(3)
Aluflex® 80 with guide cable ³		5	4	4	4	(3)	(3)	(3)	(3)

¹ Tests in accordance with product standard EN 13659. Product limit dimensions in accordance with data sheet.

² from 2500 with additional cable

³ from 3000 with additional cable

() Tests not possible in accordance with product standard. Values from own tests / practical experience.

The values in the table apply with the following reservations:

- Product dimensions and use comply with the Griesser technical data sheet.
- Installation, fastening and operation are carried out in accordance with installation and operating instructions.
- The products should be installed in the soffit / directly on the facade, with the curtain <100mm away from the facade.
- If the distance from the facade is between 100 and 300mm, the value in the table must be reduced by 1 class.
- If the distance from the facade is between 300 and 500mm, the value in the table must be reduced by 2 classes. Furthermore, the table cannot be applied.



Application note

The external venetian blinds cannot be protected with wind sensors against sudden gusts of wind. Make sure that the external venetian blinds remain retracted if a storm is imminent. Updrafts or fallwinds at facades could lead to the destruction of the external venetian blinds. Wind sensors cannot detect these as a rule.

Setting values for sensors according to SIA 342

Sensors fitted next to product.

Class 0	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class [7]	Class [8]
<9,0 m/s	9,0 m/s	10,7 m/s	12,8 m/s	16,7 m/s	21,0 m/s	25,6 m/s	29,2 m/s	33,3 m/s
<32,5 km/h	32,5 km/h	38,5 km/h	46 km/h	60 km/h	76 km/h	92 km/h	105 km/h	120 km/h

[] No wind resistance class in accordance with DIN EN 13659 and SIA 342.

Inspired by the **Sun.**

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