INSTRUCTION MANUAL



# WINDOW SHUTTER

841069\_EN



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#### 1. BASIC INFORMATION

Thank you for purchasing this **WO**UND**WO** product.

Ensure you have thoroughly read and understood these usage instructions before using the products for the first time, as a prerequisite for trouble-free operation.

For the safety of persons, it is important to observe these instructions. The information in the instruction manual MUST be complied with. A failure to observe the relevant information will render the manufacturer's liability null and void. Please also observe the notes on the product and packaging.

Please retain all instructions and information (installation and usage instructions) and pass them on to the new owner in the event that you sell the shutter.

#### 2. EXPLANATION OF THE SAFETY NOTES

Safety notes and important information are integrated in the text as appropriate. They are indicated with a symbol.

This symbol indicates information that is important for the safety of persons, animals and property or for the operation of the shutter.

This symbol highlights important product information for the user.

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# 3. VALIDITY

These instructions apply for the following **WO**UND**WO** shutters: WINDOW SHUTTER WITH MOUNTING FRAME WINDOW SHUTTER WITH MOUNTING FRAME FOR INSECT SCREEN WINDOW SHUTTER WITHOUT MOUNTING FRAME FOR MOUNTING DIRECTLY ON THE WINDOW

# 4. SAFETY

All **WO**UND**WO** shutters are designed and manufactured according to EN 13659. However, failure to follow the accompanying instructions when operating the equipment may result in risk of injury to people or animals, or may damage the installation or other objects.

The product should be operated only as intended, and only if it is in technically perfect working order, bearing in mind the safety aspects and risks, in compliance with these instructions for use. Faults that may compromise safety must be removed immediately.

# 5. INTENDED USE

**WO**UND**WO** shutters serve primarily to protect from sunlight and heat. In addition, **WO**UND**WO** shutters provide enhanced soundproofing, privacy, security and façade protection. Any other use or application over and above the aforesaid is deemed to be a non-intended use. The manufacturer does not accept any liability for damages resulting from non-intended product uses.

No modifications, extensions or alterations may be made to any **WO**UND**WO** shutters without the manufacturer's approval. Additional loading due to hanging objects from the shutters may result in damage and is therefore not permitted. Shutters not in perfect working order must be replaced promptly by a specialist supplier.

To replace worn or defective parts, use only spare parts approved by **WO**UND**WO**. If parts are purchased from a third-party supplier, there is no guarantee that they are designed and manufactured for the relevant load and safety requirements.

Installation and maintenance activities must be carried out exclusively by specialist companies and qualified technical personnel.

WO&WO Sonnenlichtdesign GmbH & Co KG does not accept any liability for damages resulting from a non-intended use of the product.

# WIND RESISTANCE CLASS / WIND SPEED IN CLOSED POSITION

Wind resistance class	6	5	4	3	2	1	0
Wind speed in km/h	max. 108	max. 86	max. 68	max. 54	max. 45	max. 38	undefined; product not tested or unsuitable

Wind resistance classes according to DIN EN 13659.

## **Dimensions in mm**

Height / width	400	500	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400		
			eaf FL- WRC 6																				
		1		FL-M / WRC 6	FL-MIS	S																	
	2350 WRC 6																						
FL-M and FL-MIS up to 2,400								3-leaf FL-OM WRC 6															
									3	3-leaf FL-M / FL-MIS WRC 6													
															FL-ON C 6	1							
													4		FL-M / WRC 6		IS						

The wind resistance values indicated refer to shutters in closed position!

WARNING: Where systems are latched using bottom shutter lock rubber (FL-351) or with sleeve (FL-352), and for shutter internal hinges (FL 320) WRC 0 applies for all sizes.

The shutters should only be used up to the wind resistance class stated by the manufacturer. Downgrading the wind class due to poor installation conditions is only permitted in extreme cases, and then only with the prior agreement of the end user.

#### WIND SAFETY WHEN IN OPEN POSITION

#### For all shutter securing options:

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At wind speeds over  $\widetilde{60km}/h$  the shutters must be closed, otherwise deformation and other subsequent damage may occur. In addition, the wind resistance classes in closed position must be complied with.

#### ADDITIONAL RESTRICTIONS WHEN USING WITH STRAP LOCKING DEVICE

	Leaf dimensions in mm						
Height / width	400	500	600	700			
800							
900							
1,000							
1,100							
1,200							
1,300							
1,400							
1,500							
1,600							
1,700							
1,800							
1,900							
2,000							
2,100							
2,200							
2,300							
2,400							

Strap locking device

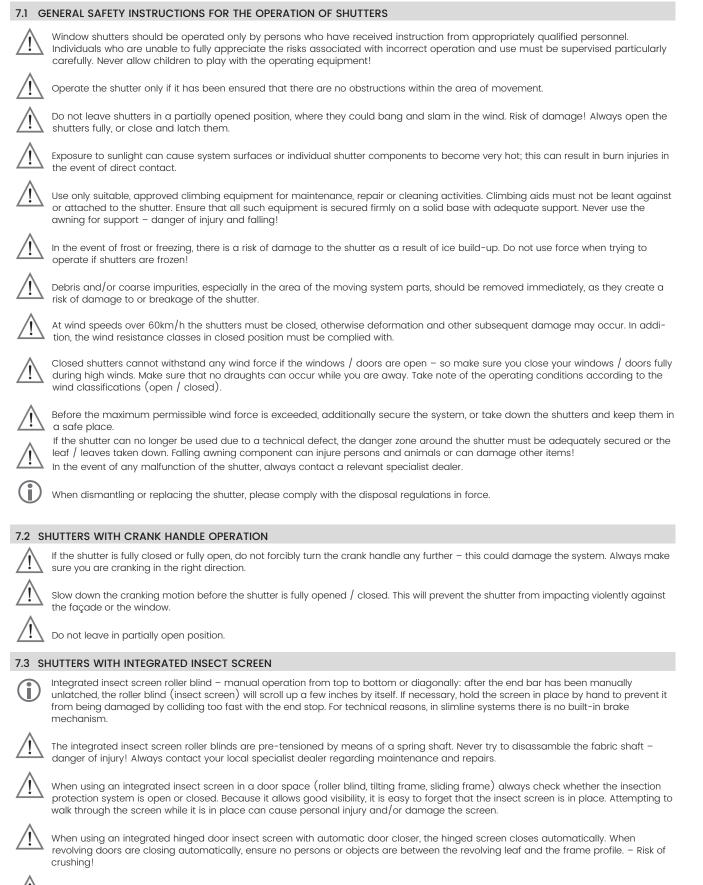
Strap locking device only possible in combination with pintle, wide

Strap locking device not possible

Accessories: detailed information on suitable accessories and integrating them into the system is available from any WOUNDWO dealer.



# 7. OPERATION



When using an integrated sliding door insect screen take care to ensure that no one and nothing is in the space between the sliding screen and the frame – danger of crushing!

#### 8. CLEANING AND SERVICE



When cleaning and maintaining the shutter, no system components or covers should be opened or removed. If this should be necessary, contact your dealer.



Heavy soiling can make the movement stiff or cause other damage and shorten the service life of the product. You should therefore regularly remove any adhering dirt or debris.



To clean, use only standard, commercially available detergents and clean water. Do not use harsh detergents, solvents such as alcohol or petrol, abrasives or scouring cloths.



The coated aluminium parts should be cleaned at least once a year, or more often in the event of heavier environmental soiling.

Remove dust and dirt accumulations from the coated aluminium parts by washing with warm water with an admixture of neutral wetting agents that do not damage aluminium. Use a soft sponge or cloth to clean. Acid and alkaline cleaning agents are not suitable.



Mechanical instruments with abrasive action which damage the paint surface are unsuitable for cleaning.

#### 9. SERVICE



Safe and risk-free use of the shutter can only be guaranteed if the system is checked and maintained annually. You should regularly inspect your shutter for signs of wear or damage. Do not use shutters in need of repair! Always contact your local specialist dealer for any necessary maintenance or repair work.

To replace worn or defective parts, use only spare parts approved by **WO**UND**WO**, otherwise any guarantee and warranty claim will be voided.

#### 10. DISMANTLING



Incorrect dismantling of the shutter can result in personal injury or damage to property. Therefore, always have the equipment disassembled by appropriately qualified personnel from a specialist company. Instructions and notes on removal can be found in the relevant installation guide.



The removal and re-installation of the product must be carried out by a specialist company in accordance with the current guidelines and

standards. Always request any missing documentation from your WOUNDWO dealer prior to removal or re-installation.

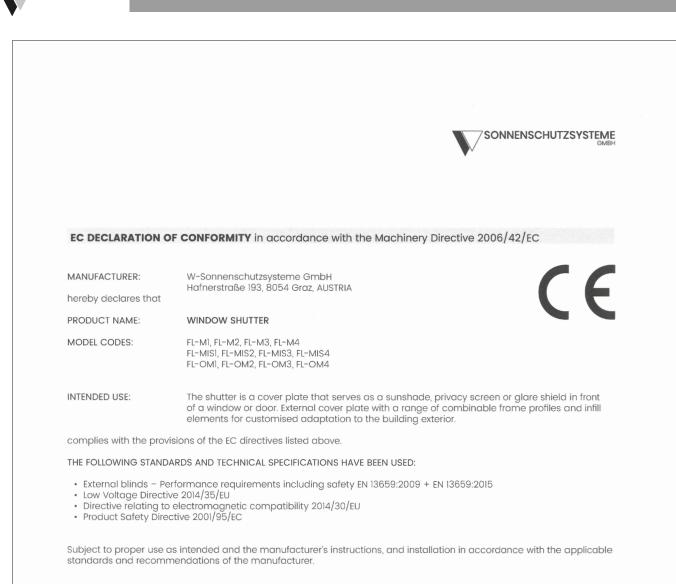
If your product is no longer usable, dispose of it in accordance with the applicable legal regulations.

#### 11. WARRANTY



The statutory limitation period for warranty claims applies. Regular maintenance is a condition precedent. Wear parts such as gearwheels, bearings and supplied fittings are excluded from the warranty.

The assessment of the coating surface is carried out in accordance with the quality regulations of the GSB (Gütegemeinschaft für die Stückbeschichtung von Bauteilen, the quality association for batch coating of building components). The assessment is carried out from a vertical viewing distance of 3 meters, outdoors, in diffuse, natural daylight. Anything that is not visible to the naked eye from this viewing distance is not considered a defect in the coating. However, there may be minor variations in colour from product to product, even though the products have been coated using the same colour (e.g. RAL). Depending on the support substrate, processing technology, batches or duration of weathering, variations in colour may occur. Due to the technical design, these variations cannot be avoided and are not grounds for a warranty claim.



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Dipl. Kfm. Volker Schmidt Authorised representative

Graz, Juni 2019

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WINDOW SHUTTER

	SONNENSCHUTZSYSTEME					
DECLARATION OF PEI	RFORMANCE DOP NO. 700011904					
Identification code for the product type:	WINDOW SHUTTER (Window shutter with mounting frame, Window shutter with mounting frame for insect screen Window shutter without mounting frame for mounting directly on the window)					
Intended purpose:	Sun protection as an external shutter					
Manufacturer:	W-Sonnenschutzsysteme GmbH, Hafnerstraße 193, 8054 Graz, AUSTRIA					
Authorised representativ	e: Dipl. Kfm. Volker Schmidt					
Certification:	According to Rating System 4 of the Construction Products Regulation 305/2011/EG					
Declared performance:	Wind resistance class 0 – 6 pursuant to EN 13659:2009					
	The order's delivery slip, on which the product-specific wind resistance classes per order item are printed, serves as a supplement to this Declaration of Performance.					

When used as intended, the product satisfies the essential properties defined in the following standards.

Harmonised standard: EN 13659:2009-01 Shutters – Performance requirements including safety

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Authorised representative

Graz, Juni 2019

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# 14. PRODUCT IDENTIFICATION

To make it easier to handle future questions or suggestions about the product, the dealer should document the product data.

Product name	<ul> <li>WINDOW SHUTTER WITH MOUNTING FRAME</li> <li>WINDOW SHUTTER WITH MOUNTING FRAME FOR INSECT SCREEN</li> <li>WINDOW SHUTTER WITHOUT MOUNTING FRAME FOR MOUNTING DIRECTLY ON THE WINDOW</li> </ul>
WOUNDWO order number	
Installation date	
Handed over by/on: (Dealer's signature)	





Printing errors excepted. Subject to change without notice. Publisher: WO&WO Sonnenlichtdesign GmbH & Co KG Content: WO&WO Sonnenlichtdesign GmbH & Co KG Place of publication: 8054 Graz, AUSTRIA.