

# EXTERNAL BLINDS

## INSTRUCTIONS FOR USE

In connection with Article 10 of the Construction Products Act, we declare that aluminium blinds **KRPAN** and **KRATER** of types **CT-65**, **C-80**, **CT-80**, **Z-75**, **ZX-90** are manufactured in accordance with Article 24 of the Construction Products and Material Production Act: quality coloured aluminium in the strip, aluminium profiles (certificates of manufacturers are in the company's archives), thermofixed strips and polyester slats that meet the standards for outdoor use and are stabilized to temperature changes in the Central European zone. External blinds of the above types comply with the SIST EN standard. All plastic components are injection-moulded from UV-stabilized material.

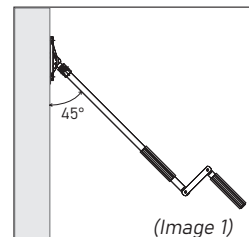
With regard to the quality of raw materials and the quality assurance system according to the ISO 9001:2015 standard in the process of production, marketing and installation, we declare that the said product meets the prescribed requirements for conformity of construction products (Official Gazette 52/00).

The blind can only be installed by a qualified installer on the inside or outside of a window or a balcony.

### CONTROL METHODS

#### Version with a lever drive (manual crank - MC):

- The crank is bent at the designated points into a position resembling the number four.
- One hand holds the crank while the other turns it clockwise to tilt the shading and lift, or counterclockwise to tilt the shading in the opposite direction and lower.
- When using the manual crank, apply only as much force as is necessary for the normal operation (shading and movement) of the blinds.
- Excessive force may damage the mechanism.
- The ideal angle for operating the manual crank is 45°, which allows for normal operation of the mechanism without damage (image 1).



#### Version with an electric motor (EM):

##### Operating with a wall button

- The blind is operated with a wall button, which has three positions (middle, upper and lower).
- For shading, press the button until you reach a suitable angle of the slats and thus the desired shading.
- The motor automatically stops at the factory preset end positions.

##### Operating with a remote control (in the case of a version with a receiver) we use three keys (move up, stop, move down)

- For shading, shortly press the key to move to the upper or lower position until the desired shading is achieved.
- To move the blind, hold down the button (move up or move down) for two seconds, after which the blind automatically starts moving to the factory-set upper or lower position.
- The motor automatically stops at the factory preset end positions.

##### Control with Sensors

- It is possible to control the system with sensors, timers, etc., which makes using our products easier (retrofit installation is possible).
- Instructions for these are provided upon handover for use.

## EXTERNAL BLINDS

### WARNINGS

- When raising the blinds, it is essential to ensure that there is no ice on the slats during winter, as lifting them under such conditions can cause damage to the slats. Stones, branches, or other objects thrown against the blinds by the wind or other forces can also cause mechanical damage.
- The blinds **CT-65**, **C-80**, **CT-80**, and **Z-75** are classified in Wind Class 3, meaning they are resistant to wind speeds of up to 60 km/h. The **ZX-90** blind is classified in Wind Class 5, meaning it is resistant to wind speeds of up to 90 km/h. In the event that such wind speeds or higher are forecasted, the blinds must be raised to the top to protect them from the wind and potential damage. In cases of storms or severe weather when stronger gusts of wind are expected, it is crucial to raise the blinds to the upper position, as even wind sensors (if installed) may not respond quickly enough to lift the blinds and prevent damage. The warranty does not cover wind gusts during storms, even with installed wind sensors.
- Motorized blinds should not be overloaded with rapid movements (up and down in succession), as this can cause mechanical failure. When lowering the blinds, it is crucial to ensure that there are NO obstructions in the path (person, animal, plant, or object), as if the blind hits an obstruction, it may result in the lifting strap becoming tangled, preventing normal use. An obstruction can cause the straps to come out of their fittings, which may tear when raising the blinds.
- After using the blind with a manual crank, it should be secured in the designated holder to prevent unwanted damage (bending or breaking of the crank, dislodging of the crank from the mechanism).
- Blinds with electric motors should not be washed with running water, as this can result in electric shock.
- The manufacturer cannot guarantee a uniform shade of slats and profiles in every series. There is a possibility that the shade of the product will not match the samples, as it is from a different series, so such discrepancies are not subject to complaint. The manufacturer guarantees the supply of slats and profiles in the declared RAL color, but with the possibility of minor shade variations depending on the series, which are still within the declared RAL color range.
- Insect screens provide high protection against insects but do not guarantee 100% protection against flying and crawling pests.

If any of the operating components of the external blinds (manual crank, electric motor, switches, sensors) do not function correctly or are damaged, it is advisable to cease use until the issue is resolved. Care in operation means longer-lasting performance.

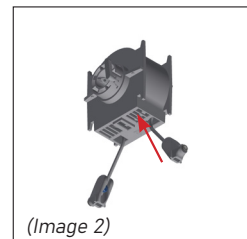
# EXTERNAL BLINDS

## MAINTENANCE

After the installation of window fittings and other construction work carried out during new builds and renovations, dust and residues from construction materials remain on the blinds and guides. To ensure optimal operation of the blinds, it is necessary to clean these residues properly. To guarantee the longevity and flawless functioning of your external blinds, we recommend the following maintenance steps:

### Cleaning and maintenance of KR PAN blinds and guides:

- **SLATS:** Wipe with a soft cloth and warm water 1-2 times a year, adding mild detergents (gentle soap). After cleaning, don't forget to rinse the blinds with clean water to remove any detergent residues. Do not use aggressive cleaners, as they may damage the paint finish on the slats.
- **GUIDES:** Cleaning the guides should be done at least 1-2 times a year. We recommend using silicone spray 1-2 times a year (available in hardware stores). Silicone spray is suitable for maintenance, lubrication, and protection, and it reduces friction when moving the blinds. Important: Only lubricate the guides (left and right).
- **CLEANING THE BLIND HOUSING-TILT AND RAISE MECHANISM (Image 2):** Once a year, blow out the blind housing, as wood chips and other debris often accumulate there. This prevents the blinds from operating unevenly or moving sideways. When cleaning, ensure the blinds are in the lowered position!



### Cleaning and maintenance of KRATER blinds and guides (Image 3):

- **SLATS:** After installing windows and other construction works in new buildings and renovations, dust and construction material residues may remain on the blinds and guides. To ensure optimal operation of the blinds, it is necessary to clean these residues appropriately. Always start cleaning with a soft cloth and warm water, adding mild detergents (such as dish soap). After cleaning, be sure to rinse the blinds with clean water to remove any detergent residue.
- **PVC GUIDES:** Special attention should be paid to cleaning the plastic guides where the slats move. Guides should be cleaned at least once a year. In extreme conditions, such as in environments with a lot of dirt (industrial areas, pollen, road dust), the guides should be inspected and maintained at least every six months or even more frequently.
- To clean the guides, raise the blinds to the upper position and wipe the channel where the slats travel with a soft sponge. Once the guide is clean and dry, we recommend lubricating it with silicone spray to ensure smooth and silent operation of the blinds. Apply silicone spray to an absorbent sponge and lubricate the PVC guides. Move the blinds up and down several times to ensure an even application of the lubricant.
- We recommend using silicone spray 1-2 times a year (available in hardware stores). Silicone spray is suitable for maintenance, lubrication, and protection, while also reducing friction when operating the blinds. Important: Only lubricate the guides (left and right).
- **CLEANING THE BLIND HOUSING - Tilt and Raise Mechanism (Image 2):** Once a year, blow out the blind housing, as wood chips and other debris often accumulate there. This helps prevent the blinds from operating unevenly or moving sideways. When cleaning, ensure the blinds are in the lowered position!



In the case of blinds with remote control and sun/wind sensors, we recommend regularly checking that the batteries in the remote control are fully charged, as this ensures the system operates smoothly. Also, ensure that the sun/wind sensors are clean, as dirt can affect their accuracy.

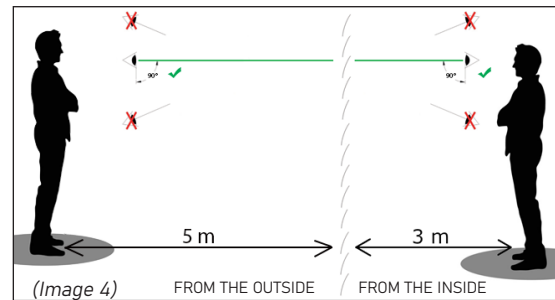
## EXTERNAL BLINDS

### WARRANTY CONDITIONS

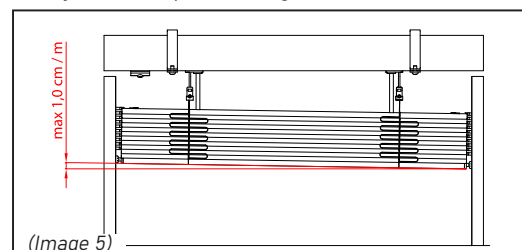
- Warranty Period for External Blinds by Roletarstvo Medle:
  - CT-65, C-80, CT-80, Z-75 - 24 months,**
  - ZX-90 - 48 months.**
- The manufacturer guarantees quality and proper functioning during the warranty period, which starts from the date of receipt of goods or from the date of invoice issuance.
- The buyer must inspect the received goods upon delivery and notify the seller immediately, but no later than 8 days, about any material defects and provide evidence such as photographs and other documentation.
- The seller guarantees against hidden material defects for 180 days from the receipt of the goods. The seller commits to appropriately resolving warranty claims for all goods for which the buyer has the appropriate warranty and has timely notified the seller of the defects.
- The warranty does not exclude the rights of the consumer arising from the seller's liability for defects in the goods. This means that the manufacturer will repair or replace any defective component of the product at its own expense during the warranty period.
- The warranty is valid for products installed by Roletarstvo Medle d.o.o. and for products installed by the client, but only if the installation is done professionally in accordance with technical regulations and the manufacturer's instructions.
- For products not installed by Roletarstvo Medle, services are only performed in the company's workshop, or the defective component is delivered to the client free of charge for self-replacement.
- The warranty is void in cases of improper handling, maintenance, mechanical damage, or improper use, processing, and storage of the product. Physical damages caused by impact, falling, or improper handling are not covered under warranty unless the buyer clearly proves that such goods were received upon signing the delivery document.
- The warranty is not recognized if the motorized blinds, with a torque of 18Nm or more, are louder, as they are significantly noisier due to specific mechanical design compared to lower torque motors.
- The warranty is not recognized if the connection of the motors or electronics was made improperly or incorrectly, and if the motors were not adjusted or the electronics programmed according to the accompanying manufacturer's instructions.
- The geographical area of warranty validity for Roletarstvo Medle products is: EU.
- Due to the technical process of cutting the slats of the blinds, slats at the extreme left and right ends may slightly curve upward, which is always within the tolerances of the standard and is not subject to complaint.
- External blinds may close less at the bottom than at the top, which is in accordance with standards and is not subject to complaint. The reason is that the forces at the top and bottom are not equal due to their own weight.
- Due to the technical cutting process, the edges of the

slats and the edges of the holes are not painted, and this is not subject to complaint.

- The seller, according to the standard SIST EN 12373 - 1:2002 for the quality of painted surfaces on aluminum and aluminum alloys, rejects complaints regarding visible irregularities (surface aesthetic defects, etc.) that are not visible from a distance of 5 meters or more for profiles intended for outdoor use. For profiles intended for indoor use, the observation point is moved to a distance of 3 meters.
- The warranty is not recognized if it is not a complaint or concerns optical defects visible to the naked eye at a distance of less than 3 meters from the inside or 5 meters from the outside (image 4).
- The angle of observation must be perpendicular to the surface. Lighting conditions: outside - diffused daylight, inside - normal lighting intended for the use of the spaces, in both cases without targeted directional light (image 4).



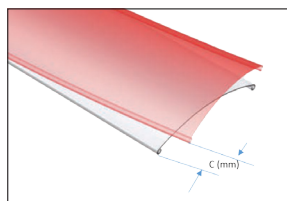
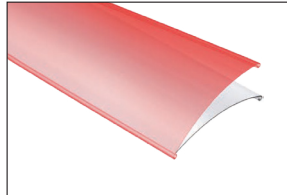
- Blinds, due to their structural design, do not guarantee complete blackout. The degree of shading is influenced by the following factors: shape of the slat, width of the slat, installation position of the blinds, method of installation, type of guides, dimensions of the entire blinds, wind load, and color of the slats. The suitability of the closure of the blinds must always be performed at a right angle. When the blind is in the closed position, the slats must overlap one another. If this condition is met, it is not subject to complaint. When viewed from above, there will always be some light leakage due to light reflection.
- Sagging of masks/cabinets - tolerance: maximum 10 mm, both for sagging and deviations from horizontal.
- The allowable deviation of the flatness of the package relative to a flat horizontal surface can be a maximum of 1 cm. If the package is within the allowable deviation, it is not subject to complaint (image 5).



## EXTERNAL BLINDS

### WARRANTY CONDITIONS

- **Twisting of slats - tolerances:** Deviation  $\Delta h$  in mm/m is measured as shown in the picture. The allowable deviation is 2 mm/m across the entire width of the slat. For lengths shorter than 2 m, the twist  $\Delta h$  is limited to a maximum of 4 mm.
- **Longitudinal deviation of slats - tolerances:** The deviation of the edge of the slat of length L from a straight line when the slat is laid flat on a plane. The maximum allowable values C:



SLAT LENGTH	MAXIMUM ALLOWABLE DEVIATION C (mm)
$L \leq 1,5$	1,2
$1,5 < L \leq 2,5$	3,1
$2,5 < L \leq 3,5$	6,1
$L \geq 3,5$	$1/2 L^2$

- The manufacturer cannot guarantee a uniform shade of slats and profiles in each batch (different materials, different painting technologies, different suppliers). There is a possibility that the shade of the product will not match the samples because it is from a different batch, so such deviations are not subject to complaint.
- The manufacturer guarantees the supply of slats and profiles in the declared RAL color, but with a possibility of slight deviation in shade depending on the batch, which is still within the declared RAL color.
- For extremely small dimensions, both in width and height, uneven stacking of scales and thus uneven accumulation of scales between slats may cause diagonal lifting of the blinds. Due to insufficient weight, this cannot be avoided, and this occurrence does not constitute a subject of complaint.
- The nominal data in the documentation for the sizes of the blinds packages are for informational purposes only and may deviate in practice by  $\pm 2$  cm, which is within tolerances. This occurrence does not constitute a subject of complaint.
- Blinds that have built-in roller insect screens with built-in brakes operate on the principle of stopping automatic lifting, thus preventing potential damage that could occur during a sudden lifting of the screen. Due to the principle

of operation, it is necessary to slightly assist the insect screen toward the top with a hand for it to hide in the roller cabinet. This is not subject to complaint. (If the insect screen does not roll up automatically despite following the above procedure, service is required.)

- The brackets for the blinds are not suitable for installation in coastal locations or terrains with a high salt content in the air, as there is a possibility of corrosion and paint peeling. Such occurrences are not subject to complaint. For installation in such locations, it is necessary to specifically order seaside treatment for the brackets, which is available for an additional charge and with a longer delivery time.
- Buildings located near chemical industries or similar industries that produce hazardous products may be exposed to corrosion or paint peeling, which is not subject to complaint.
- Aggressive cleaning agents, adhesive products, and other chemicals can cause damage to the product, which is not subject to complaint.
- The correct choice of shading according to the location of the building is crucial, taking into account wind zones. Using inappropriate shading in highly exposed windy areas can cause damage that is not subject to warranty.
- Sudden gusts of wind cannot always be predicted, so the time needed for the shading to retract into the cabinet or mask must also be taken into account. Damages due to late retraction of the shading are not subject to warranty.
- The manufacturer resolves justified complaints within a mutually agreed timeframe, but no later than 45 days.
- Any quantity discrepancies are accounted for within a maximum of 8 days from the receipt of goods.

<b>Roletarstvo Medle d.o.o.</b> <b>Podbevškova ulica 48, 8000 Novo mesto</b> <b>24</b>	
<b>EN 13659</b> <b>External blinds</b> <b>CT-65, C-80, CT-80, Z-75</b> <b>Wind resistance:</b> <b>Class 3</b>	<b>EN 13659</b> <b>External blinds</b> <b>ZX-90</b> <b>Wind resistance:</b> <b>Class 5</b>

Medle products comply with SIST 13659/2004 and with CE standards.  
The company operates according to the ISO standard 9001:2015.