

Operating and maintenance manual for roller shutters

Important:

Please read these instructions carefully before the first handling and look out especially for the security tips. Damages which result out of non-observance of this operating and maintenance manual absolve ROMA from any responsibility. Keep these instructions for further use after the installation until the product gets disposed or pass it to a new holder, if the product changes hands. This instruction also contains clues for maintenance and corrective maintenance.

This roller shutter has been delivered to you and installed by professionals of the roller shutter and sunscreen hand-craft. Repairs and disassembly of the product have to be executed by fully-qualified experts. Please don't conduct any changes on the product by your own. If you do, a secure handling no longer can be guaranteed.

Displayed afterimages are exemplary. This manual also is valid for other types of roller shutters.



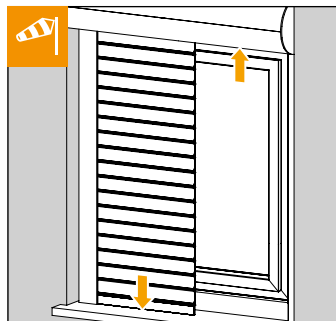
General security tips for electrically or manually operated roller shutters

Handling the roller shutter with windstorm

If there is strong windstorm, close your windows. The roller shutter either should be completely opened or completely closed when it is windy. Please take care, that there can't occur draft, also if you are not at home.

Tip: Closed roller shutters can't resist any wind load if the windows are open.

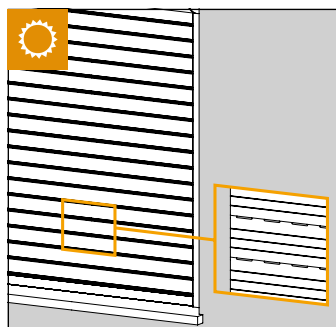
Attention: The specified wind-class only can be warranted if the windows are closed.



Handling the roller shutter with heat

If the roller shutters are used as antiglare shield we advise you not to close them totally, in order to allow a ventilation behind the blind.

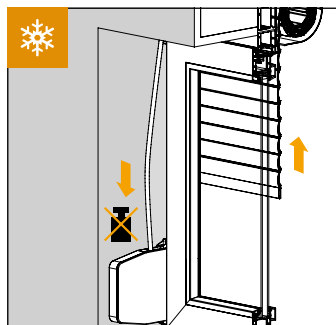
To reduce danger of deformation, the light apertures of vinyl slats should not be closed by using sun protection.



Handling the roller shutter with low temperature

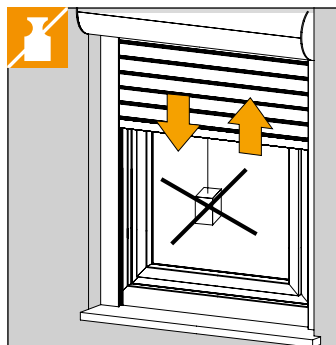
The roller shutter can freeze if there is frost. Please avoid a violent operation and abandon the try to open or close the blind if it is frozen.

Tip: After the defrosting of the blind the operation is possible again.



Non-conventional use

The product shouldn't be burdened with additional weight.

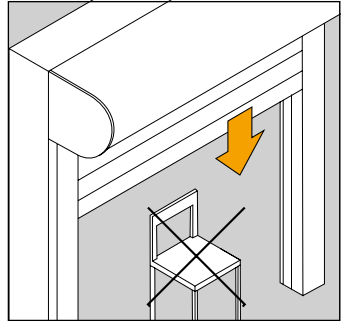


Traversing range of the roller shutter

The downward travel of the roller shutter should never be hindered.

Tip: Please take care that no hindrances block the traversing range of the roller shutter.

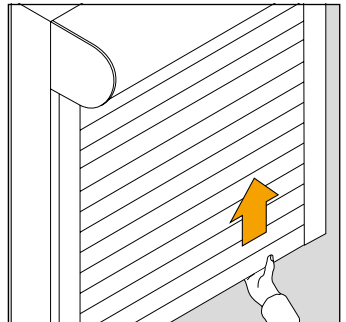
If the curtain is ever jammed, please move the curtain out of the way before removing the obstacle.



Maloperation

Never push the roller shutter upwards, do not burden it with additional weights or hinder the free travel of the curtain, e.g. with protective tape, adhesive tape or other.

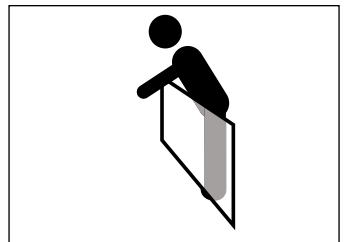
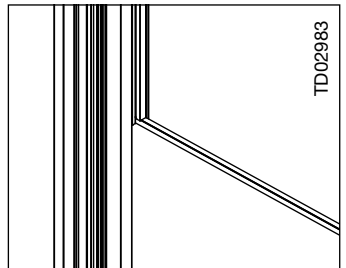
This could cause a malfunction. Should a hindrance block be necessary, you should not operate the element during this time.



ROMA elements with guide rails for installing a Glass/mesh fall protection

The Glass / Grid must be free of any kind of damages. With laminated safety glasses, pockets of air can form at the edges. However, these have no influence on the strength of the glass. The overall product must have sufficient stability. The upper edge protection must always be installed to protect the glass edge, the lower one depending on the position requirements.

Please note: Should you encounter one of the occurrences mentioned above or be uncertain about any of them, you should keep the door behind the sun screening system closed until a specialist firm can have a look at them.



Danger: Do not lean over the parapet! There is a danger of falling.

Disposal:

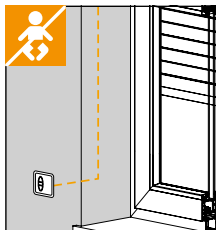


This symbol means that batteries and old electronic equipment must not be disposed of with household waste! Please dispose of used batteries in a recycling container for used batteries or via a specialist retailer. Please dispose of old electronic equipment at a municipal collection point for electronic waste or at a specialist retailer.

Special tips for electrically operated roller shutters

Restrict the accessibility of the operating elements

Don't let play children with the operating elements of the roller shutter, like radio hand-held-transmitter or switch. Keep the radio hand-held-transmitter out of children's reach.



Procedure in winter

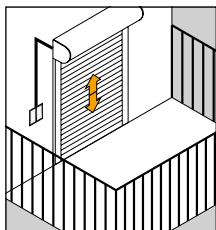
If the blind is in danger to freeze and the control is automatic, please switch off the automatic.



Automatic roller shutters in front of French windows and patio-doors

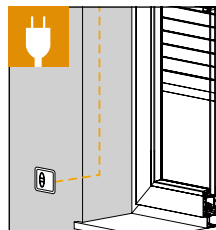
If a roller shutter is installed in front of the only access to your balcony or your patio and it is connected to an automatic, it is possible that you lock yourself out.

Tip: Switch off the automatic if you go on your balcony or your patio. Thereby you prevent yourself from being locked out.



Operation with switch, transmitter and automatic control

See attached manual(s).

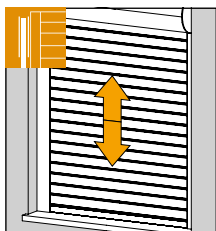


Special tips for manually operated roller shutters operated by strap (also by cord or rope)

Open/close roller shutter (general procedure)

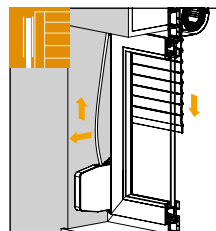
When opening the roller shutter, please pull the strap slower in the last third. The roller shutter shouldn't hit violently against the upper stop. When closing the roller shutter please move it down slower in the last third. Never loose your hold on the strap.

Tip: Avoid any jerky operation of the strap.



Open/close roller shutter

Always pull the strap steady-going and vertically down respectively out of the strap coiler cage.



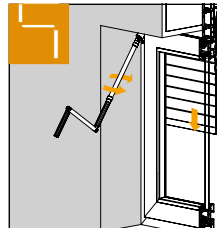
Special tips for manually operated roller shutters operated by crank (hand crank)

Open/close roller shutter

Slow the rotation of the crank before the roller shutter is totally opened. The roller shutter shouldn't hit violently against the upper stop. Slow the rotation of the crank before the roller shutter is totally closed. Stop the rotation immediately if you notice any resistance.

Tip: Avoid a huge deflection of the crank rod. This could lead to a stiff movement and exceeding abrasion.

Attention: Don't continue to turn the crank violently upwards if the roller shutter is totally opened. If the roller shutter is totally closed don't continue to turn the crank downwards if you notice any resistance.

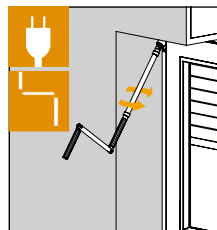


Operating tip:

Important: The emergency manual crank system is not built for long-term usage. Use only in case of disturbance!

If the curtain is in the lower end position and is opened using the emergency manual crank system, only the 'UP' direction can be selected when the motor is activated again using the switch. After this, and only after this, the 'DOWN' direction can be selected. If the curtain is cranked from the lower end position right up to the upper end position, the curtain must be manually cranked back down about 5 to 10 cm before the motor is activated again using the switch. Once again, the curtain must be first moved in the 'UP' direction.

The opposite applies when the curtain is cranked downwards from the upper end position!

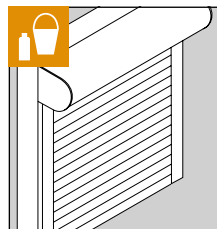


General maintenance and care tips for roller shutters

Care

To ensure long-lasting good appearance and longevity we recommend you clean the surface of the roller shutter and the lateral guide rails periodically, at the latest once a year. Depending on the region, significantly shorter intervals for cleaning will be necessary (e.g. coastal region, industrial area, with rail network close by, etc.). Please remove dirt and other objects out of the guide rails. For the sealing insect screen systems (e.g. the bottom bar or lower edge protection for fall protection systems), the area of the brush seal against insect invasion must also be regularly cleaned of dirt in order to avoid waterlogging.

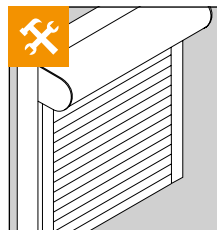
Tip: In order to clean the surface please use an appropriate mild cleaner and clean water. Do not use an acidic or abrasive cleaner (e.g. powders, pastes, acetone, pure benzene). The revision opening always must be easily accessible! Never grease the box, the curtain, the motor and the guide rails! Never use a steam pressure or high-pressure cleaner for cleaning! When cleaning, pay attention to any sharp edges on the guide rails if they are without closing plates or caps - we recommend using protective gloves.



Maintenance

Please check the roller shutter and the operating elements periodically for traces of abrasion and damage and additionally check the product for stability. The inspection or maintenance of electrical parts has to be executed by specialist companies. Other maintenance works like programming the limit positions may only be executed by trained professionals who are qualified for these jobs. Only use original spare parts.

Attention: Don't use the roller shutter if repairs would be necessary. We refer to our inspection and maintenance instruction to carry out maintenance work.



Manufacturer

Company name
ROMA KG
Ostpreußenstraße 9
89331 Burgau



Declaration of performance roller shutters

Contained in: 5000990

Product description: External finishings, types of ROMA roller shutter systems (UNO, RONDO, PENTO, QUADRO, INTEGO, TREND) made of aluminium – (KARO, PURO 2, PURO 2.XR, RA.2, TERMO.F, TERMO.R) made from PVC profiles or foamed aluminium boxes, each with PVC or aluminium profiles.

Intended use Installation on the exterior of buildings and other structures

In compliance with evaluation scheme 4 of Construction Products Regulation 305/2011/EC the certification is made by producer.

The product conforms to the essential characteristics by intended use as defined in the following norms.

Bestimmungsgemäße Verwendung: Roller shutters are developed and designed as an external privacy, weather and temperature protection for vertical installation. They are not a stand-alone edging, but are usually installed in front of a window or a window door. Their main purpose is to provide privacy, glare or heat protection in winter and summer.

The systems are developed and tested for the following climate conditions:

- Regular operation at - 10°C... + 40°C, 0...95% humidity
- In exceptional cases individual travel also possible at - 20°C... + 60°C*
- Resting position - 30°C... + 70°C*

***Exception:**
Roller shutter curtain made of PVC, the maximum temperature is 50 °C. Heat accumulation must be avoided, e.g. by opening the slits between the individual roller shutter profiles.

Restrictions apply to the following environmental influences:

1) Air pollution

- Salt conditionally suitable
- Chlorine not suitable
- Remove impurities in general, such as farmland dust, pollen or road dust, as often as necessary according to the operating and maintenance manual

2) Water

- Salt conditionally suitable
- Chlorine not suitable

Declared performance

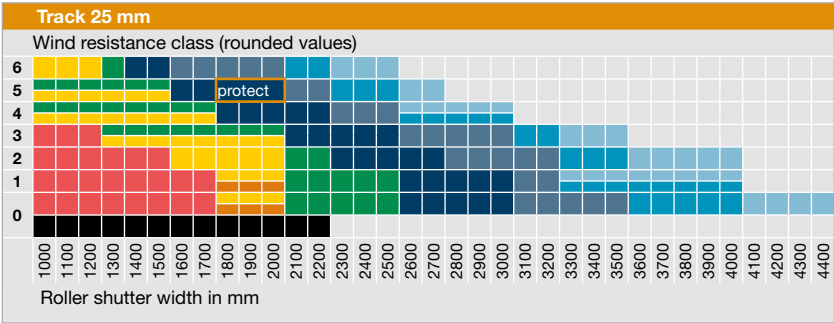
Essential characteristics / performances	Norm	
Wind resistance class (0-6)	EN 13659:2004+A1:2008	Wind-class in the spreadsheet see below



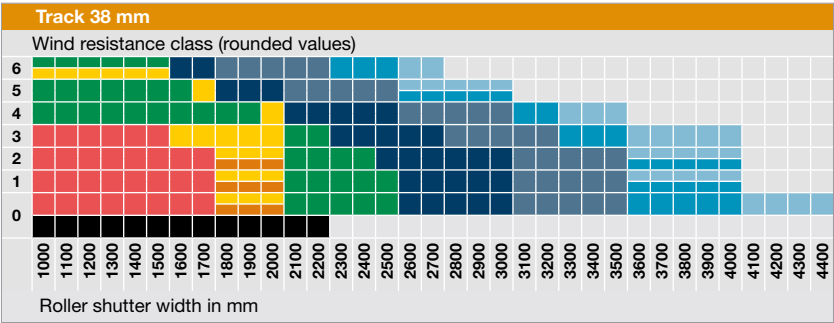
V. Pfaudler

Volker Pfaudler
Managing Director
of Engineering
Burgau, july 2025

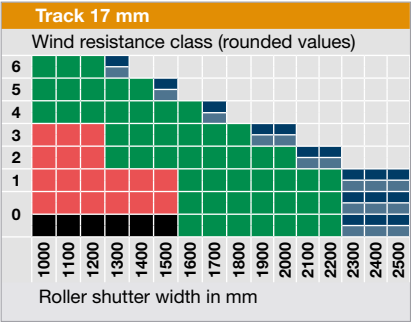
Standard guide rails / track 25 mm



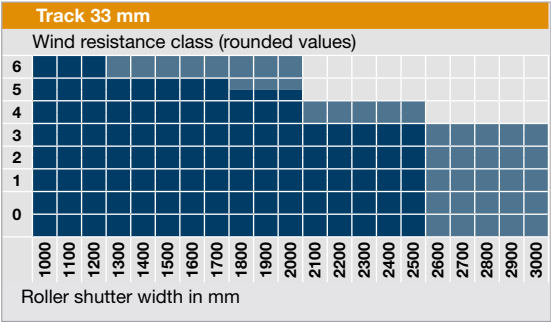
Special guide rails / track 38 mm



Special guide rails / track 17 mm



Special guide rails for safety package / track 33 mm



Aluminium profiles:

- Aluminium P9
- ALUMINO 34
- ALUMINO 37 + ALUMINO 37 protect
- ALUMINO 44
- ALUMINO 52

Special profile:

- ALUMINO 55

Plastic profiles:

- Plastic K37
- Plastic 14/53

Special profile:

- Plastic K14 special

Manufacturer

Company name
ROMA KG
Ostpreußenstraße 9
89331 Burgau

roma

ROLLER SHUTTERS
VENETIAN BLINDS
TEXTILSCREENS

Declaration of conformity

Product description ROMA roller shutters (UNO, RONDO, PENTO, QUADRO, INTEGRO, TRENDRO) made of aluminium, (KARO, PURO 2, PURO 2.XR, RA.2, TERMO 2.F, TERMO 2.R) made of vinyl profiles or foamed box each with vinyl or aluminium slats.

Operated by electric motors**Purpose**

External view- and sun-protection

The products specified here conform to regulations of machine guidance 2006/42/EC by intended use with motor operation.

Utilized norms

DIN EN 13659

Shutters outside - Performance and safety requirements

DIN EN 60335-2-97

Safety of electrical appliances for household and similar purposes
Part 2-97: Particular requirements for rolling shutters, awnings, blinds and similar equipment

The compliance of the safety objectives of Low Voltage Directive 2014/35/EC have been ensured in accordance with Annex I No. 1.5.1 of directive 2006/42/EC.



ROMA KG, Ostpreußenstraße 9
89331 Burgau / Germany
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EN 13659

Shutters - Use only in exterior areas
Wind resistance: see declaration of performance

Volker Pfaudler
Managing Director
of Engineering

Burgau, 09.2025