

Operating and maintenance manual for Panorama roller shutter system

▪ General information

Please observe this operating and maintenance manual and especially the safety instructions before using the Panorama roller shutter system (roller shutter) for the first time!

Store this manual up to the disposal of the roller shutter or pass them on at the sale. The manual also contains notes on care and maintenance.

▪ Notes on warranty and liability

We reserve the right to withdraw from the warranty for damage to the product caused by non-observance of this manual. We cannot accept any liability for personal injury caused by non-observance.

The installation, repair and disassembly of the roller shutter is only permitted by experts for roller shutter and sun protection systems. In the case of modification of the product or inappropriate use, warranty and liability are not applicable.

Safety instructions for Panorama roller shutter system

▪ Operation of roller shutter in strong wind

In strong wind and if the roller shutter is in closed position with closed blinds, windows should be kept closed to prevent draughts. Closed shutters cannot withstand higher wind load when windows are open. The specified wind class can only be guaranteed with closed windows.

▪ Operation of roller shutter in hot weather

For using the roller shutter as sun protection, we recommend to move the shutter into the position with tilted blinds or to close it not completely, so that rear ventilation is ensured.

▪ Operation of roller shutter in cold weather

During frost, freezing rain or snowfall, the roller shutter should not be moved into the position where the blinds are tilted, otherwise freezing of the tilted blinds is

possible. If the blinds do not close the roller shutter should not be moved upwards.

Operation in frost can damage the shutter. Avoid forcible operation and do not open or close the frozen shutter. After defrosting, operation is again possible. Before operating, ensure that the guide rails are free of snow and ice.

▪ **Operation radius of the roller shutter**

The opening and closing of the roller shutter must not be obstructed. Make sure that no persons or objects are in the operation radius during the movement of the roller shutter.

▪ **Closing the blinds of the roller shutter**

If the roller shutter moves upwards from the position where the blinds are tilted the blinds will close. Make sure that no persons are in the near of the shutter during closing the blinds. **CAUTION: Risk of injury!**

Make sure that no objects prevent the shutters from closing the blinds. The roller shutter should only be fully opened if all blinds are closed properly.

▪ **Incorrect operation and improper use**

Do not push the roller shutter up or load the product with additional weight. This can cause malfunctions and can damage the product.

Operation with belt drive

To move the roller shutter downwards, pull the belt steadily and vertically out of the belt winder and gently lift the belt upwards. Operate the belt slowly in the last third.

To move the shutter upwards, pull the belt steadily and vertically downwards. It will automatically wound in the belt winder. Operate the belt drive slowly in the last third, so that the roller shutter gently stops.

Avoid lateral deflection of the belt, this can cause malfunctions and cause unnecessary abrasion. Never release the belt during operation.

Operation with crank drive

Turn the crank to move the roller shutter downwards. Before the shutter is fully closed slowdown the turning of the crank. Turn the crank in the opposite direction to move the shutter upwards. Before the shutter fully opens slow down the turning of the crank so that the roller shutter gently stops.

Do not continue to rotate the crank when the shutter is fully opened or closed. Avoid a large deflection of the crank, because this can lead to stiffness and excessive abrasion.

Operation with motor drive

▪ Save operation of the roller shutter

When operating with a motor drive, ensure that there are no persons or objects in the operation radius of the roller shutter. This can result in a risk of injury or damage to the product. Operate the roller shutter only if safe operation is ensured.

▪ Accessibility of controls

Ensure that children or persons under guardianship cannot operate controls, such as switches or transmitters, unattended.

▪ Operation in winter

Turn off automatic controls such as timers or sun sensors in case of possible frost, freezing rain or snowfall. During frost, freezing rain or snowfall do not move the roller shutter into the position where the blinds are tilted. Make sure that the guide rails are free of snow and ice when operating the roller shutter.

▪ Automatic operation

For automatic operation of the roller shutter, e.g. with timers or sun sensors, we cannot take liability or guarantee for possible personal injury or damage to the product.

▪ Automatic operation in front of balcony and terrace doors

If a roller shutter is installed before the sole access to your balcony or terrace and if it is connected to an automatic system, you can lock yourself out. Switch off the automatic mode when using it.

Care and Maintenance

▪ Care

To ensure a long lifespan, we recommend cleaning the surface of the roller shutter regularly. Also remove dirt or objects from the guide rails. Use suitable cleaners to clean the surface.

▪ Maintenance

Inspect the roller shutter and the controls regularly for signs of abrasion and damage and the product for stability.

Maintenance and repairs must be carried out by experts. Use only original spare parts. Do not use the roller shutter if repair is required!