



## **WINDOWS USE AND MAINTENANCE**

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Profin windows have been designed to endure for several decades, depending on the conditions of the place of use. For You to be able to enjoy the elegant appearance and reliability of Profin products, we ask You to note the following instructions for use and maintenance. Following the maintenance instructions is also a prerequisite for the validity of the guarantee given on the doors and windows.

## **OPENING THE WINDOW**

If the window has no fixed handles, the sash is opened with the detachable handle that comes with the delivery. When opening, make sure that the sash opens evenly, without warping. If the sash is large (width over 120cm), always support the sash at the lower edge. Do not use over 60 cm wide windows for ventilation. Windows intended for ventilation are ready-fitted with roller arm stays which prevent the sash from opening too much. The roller arm stay can be released if necessary.

## **WINDOW MAINTENANCE**

### ***Glass Surface***

Clean the glass surface when necessary.

The glass surface does not tolerate strong alkaline substances, e.g. lime and cement, as well as some cleaning agents. Remove any previous substances from the glass surfaces immediately.

Mild general cleaning agents or special products intended especially for cleaning glass can be used as a glass cleaning agent, household vinegar also gives a good end result. Take care that washing water does not go between the glass and the wood. Washing can also be done safely using damp chamois and a squeegee. Paint and other substances adhered tightly to the surface can be removed carefully with a sharp putty knife.

If coated glass is in question, cleaning methods should be checked with the glass manufacturer.

In case the glass breaks we recommend that you consult a qualified glazier's shop.

### ***Sash And Frame***

Visible parts should be cleaned about every six months. The cleaning and maintenance interval depends on local conditions. The same general cleaning agents can be used for cleaning as with glass. The most difficult stains can be removed with a piece of cloth soaked with petroleum spirit, before regular washing.

Check the painted, lacquered and varnished wood surfaces yearly. If you notice any damage to the surface treatment on the wooden parts, repair measures must be carried out immediately. Repair painting should only be carried out during summers, which is when the moisture percentage of the wooden parts is under the required 15%. Follow the accompanying instructions for repair painting:

1. Remove loose paint, lacquer and wood with e.g. a brush
2. Sand the area to be painted. Remove sanding dust carefully.
3. Wash the surfaces to be painted with mould wash fluid (follow the manufacturer's instructions)
4. Impregnate the exposed surfaces with general impregnant and let dry
5. Outer surfaces are painted 3 times with paint intended for outside use. If there is no separate sealing strip between the glass and the sash, apply paint also about 1mm onto the glass. Otherwise paint up to the edge of the sealing, be careful not to paint any sealing parts. Inner surfaces can be repair painted with paint intended for inside use.

Teknos AquaTop2600, shade NCS-S0502Y has been used as surface treatment agent in windows painted white. Teknos Aquagrund100 colour varnish and AquaTop2600 lacquer have been used for varnishing.

Present surface treatment agents retain their properties about 5-15 years, depending on environmental conditions, after which repainting should be carried out to extend the usage life of the window. The need for repainting is determined very individually, depending on the dirt, damp, and light conditions caused by the environment as well as abrasion.

The silicone seams and sealings on the sashes are to be checked during cleaning. Damaged sealings are to be replaced to maintain energy efficiency. The silicone seams should be renewed if necessary to maintain waterproofing.

### ***Fittings***

Fittings are cleaned with general cleaning agent, mechanical parts are lubricated with e.g. lock oil.

### **Possible Problems**

There is steam or cloudiness inside a thermal glass element.

- There is a leak in the element, contact Profin Oy to work out the guarantee procedure. The glass element has a 10 year guarantee as from the date of purchase.

Outer pane fogs up

- Check that the window latches are tightly fastened
- Check that the inner sash has been adjusted parallel with the framework
- Check the cross measure of the framework and the straightness of the jambs
- Check that the sealings are intact
- Check the ventilation settings. Ventilation settings which cause overpressure in the residence transfer damp into the wall and window structures. Damp condensates on the inner surface of the outer pane. Continuous residence overpressure may cause serious damp damage to the structures.