

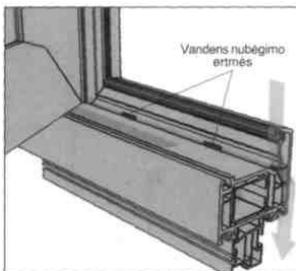
USER MANUAL FOR PVC WINDOWS AND DOORS

I. CLEANING AND MAINTENANCE

Frame: protective film applied on the frames must be removed no later than 1 (one) month after windows/doors are installed. Smearred plastic surface shall be cleaned with water and a mild detergent. Windows stained with rust, soot, impregnating materials, adhesives, oil paint or varnish, polishing measures are taken from the window care kit. Once or twice a year window frames should be cleaned using a liquid dishwashing detergent or cleaning agent from the window care kit. Window frames can not be cleaned with rough brush, therefore a clean, white cloth should be used. Colored cloth may react with polishing or cleaning fluid from the maintenance kit and may paint the frame.

Glass: glass has to be cleaned with a designated glass cleaner. Do not use powder or abrazeive cleaners, or sharp tools.

Gaskets and drainage holes: a couple of times per year gaskets must be cleaned from dust and lubricated. A spray silicone used for car gasket lubrication can be used or lubricant from the window care kit. When cleaning gaskets and opening the sash, make sure there is no blockage of the condensate / water drainage holes (*pic. 1*).



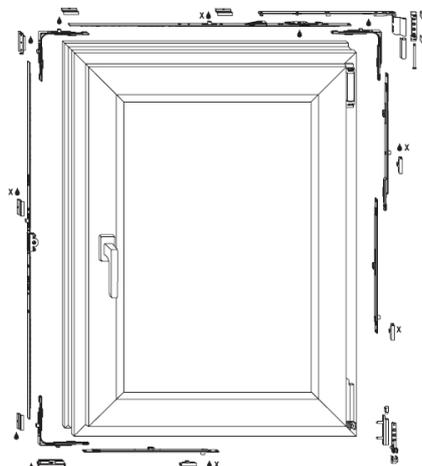
Picture 1

If the drainage is blocked with garbage and dirt, be sure to clean it. Sashes have the same drainage holes, so they also need to be cleaned up, if there is mud or dirt.

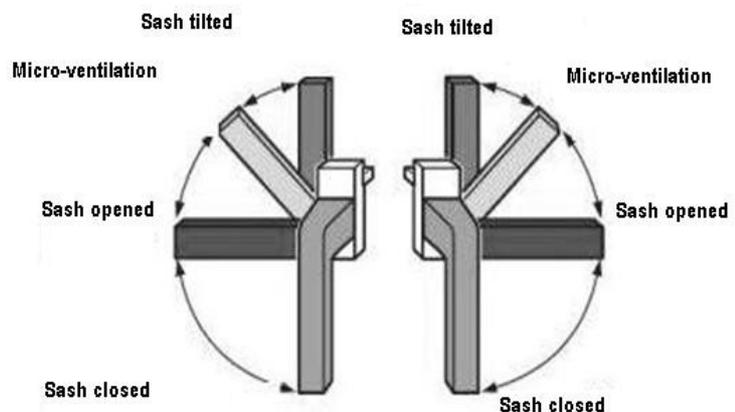
Important: doing the window decoration or general repairs, plastic products must be covered with protection in the way that the building materials and mixtures (plaster, cement, paint, etc.) do not apply on plastic, glass, gaskets or fittings. If listed building materials and mixtures applied on plastic, glass, gaskets or fittings they must be removed immediately. Window frames, glasses, gaskets or fittings having finishing works or construction materials, or other kind of mechanical origin damages - do not apply for the granted manufacturer's warranty.

II. FITTINGS - MAINTENANCE AND REGULATION

It is necessary to note that in all cases the use of the sash handle must be with the sash held to the frame. *Picture 3* shows in what position should the handle be when the window is tilted, opened or closed. In order to open and close window properly and easily, twice a year dust must be cleaned from all parts of the fittings and moving parts of them smearred with oil for sewing machines or oil from the windows maintenance kit (*spots marked with "drops" in pic. 2*). Use acid and resin free oils.

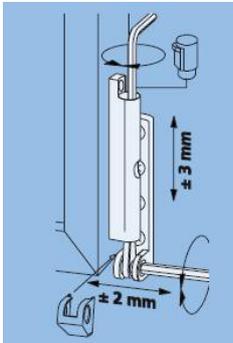


Picture 2

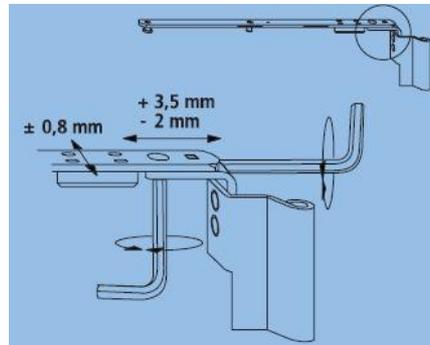


Picture 3

The vertical window adjustment point (pic. 4) - the main point of raising the collapsed sash. The horizontal window adjustment point (pic. 4) - for horizontal sash adjustment by moving the sash +/- 2 mm. Window adjustment tool: 4 mm hexagon. To gain the access to the window adjustment points it is needed to remove the plastic hinge cover. Transverse window adjustment point (pic. 5) - for the reset of the sash after collapse cause of the window tilting function. It tightens the sash both vertically and horizontally, and is not for big sash collapse reset, it is more for tightening the upper corner/bottom corner raising.



Picture 4



Picture 5

On separate agreement supervision and regulation of fittings can be performed by the manufacturer or his authorized representative.

III. VENTILATION OF ROOMS

Windows made of PVC profiles are very tight (tightness meets the requirements of building regulations), so the buyer must ensure his/her housing ventilation and support of microclimate parameters. Otherwise, problems may occur in relation to the increase of relative humidity. Proper room ventilation keeps not only a good microclimate and removes excess water vapor, but also prevents from moisture condensation on the windscreen and cold spots inside the room. It is advisable to keep a minimum of flowers and not to hang up laundry to dry in a room with plastic windows, because they increase the humidity in the room. To avoid these problems, if the premises are not equipped with exhaust ventilation, or it does not work effectively, it is recommended 3-4 times a day for 10-15 minutes to open all the windows and ventilate the room to get a draft and mix the air. If your windows are equipped fittings having micro-ventilation function room can be ventilated by turning the handle of the window at an angle of 45 degrees - the window becomes air-leaky. The appeared gap between the window frame and sash is sometimes sufficient for continuous room ventilation. If ventilation is used, but the condensation still exists it does not mean that the product or the glass unit envelope is of poor quality. This may be your microclimate accommodation problem. To avoid condensation the housing ventilation must work properly. If the vent stack is clogged and can not be cleaned, a forced ventilation has to be installed.

IV. IMPORTANT INFORMATION

PVC products can not be painted with any paint or varnish or covered by any protective layers. They also can not be cleaned with diluents or other solvents not intended for cleaning window frames that could damage the surface of the window frames. Windows and window sills in any way can not come into contact with hot objects (irons, heaters, etc.). Explored indoor rooms climate must meet hygiene requirements. Laminated window sills made of impregnated particle wood board must be protected from prolonged exposure to moisture and mechanical damage of laminate. These sills are used for internal facilities only and have to be installed before all the finishing work performed. Tin external window sills should be also protected from mechanical damage. Glass packages must never be cleaned with a newspaper (the paper is sharp material and can damage the protective layer of glass, which reduces heat resistance) or rough cloth.