

Operation manual/ Installation instructions

Do-it-yourself package
made of plastic window
frames with double glazing



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1. INTRODUCTION

Plastic windows and doors with double glazing are now also available as a do-it-yourself package for your mobile home.

As you know, a lot of heat is lost through the windows in your mobile home. Investing in plastic window frames with double glazing is therefore not an unnecessary luxury, but an advantage. Many mobile homes in the Netherlands / Germany are not yet installed with plastic window frames with double glazing. If you do not have changed yet, it is advisable to reap the following benefits.

1. Heating Costs

By choosing plastic window frames with double glazing, your mobile home loses less heat and less heat loss automatically means lower heating costs. Thanks to the double glazing, your mobile home stays much cooler in summertime and warmer in wintertime. This is a great advantage and you save additional costs. After all, you don't have to use as much energy for air conditioning or fans.

2. Noise / Condensation

Plastic windows with double glazing not only save energy, but also offer more comfort in your mobile home. In this way, no longer you have a high cold bridge on the cool windows and your mobile home also experiences less drafts. Also they have no condensation on the windows, so there is no more moisture inside. And double glazing has a sound-absorbing effect, especially if you are in a busy environment with your mobile home, you will find that you have significantly less noise pollution.

3. Environment

Because you can save energy, your mobile home is less harmful to the environment. After all, energy consumption means CO2 emissions, that promote climate change.

4. Break-in / Security

Logically, double glazing is a bigger protection for burglars than single glazing. Breaking open the windows is more difficult, if your mobile home has installed double glazing. An additional advantage is a 3-point lock of the doors.

5. Value increase of the mobile home

If you invest in plastic window frames with double glazing, this investment is reflected in an increase in the value of the mobile home! Additionally to all the advantages mentioned above, that you have a return of invest in a short time.

6. Do-it-yourself package with double glazing

You can install very easy the existing window frames and doors of a mobile home by yourself, if you are a little skilled in the art.

In these installation instructions, you will find explanations, tips and support (using example photos) to replace your frames and doors in your mobile home.

2. REQUIRED TOOLS AND MATERIALS AS WELL AS REQUIRED PEOPLE

The following tools are required to do the work by yourself:

Required tools:

- A tape measure;
- A board (old) screwdriver;
- A cordless screwdriver with matching bits;
- A good drill set, metal
- A carpet knife (or potato peeling knife)
- A side cutter and pliers
- A set of Allen keys (or Bits),
- A hammer;
- Two small / screw terminals,
- A level bar,

Materials:

- WD-40 spray works well for removing old gasket residue,
alcohol (for degreasing)
- Cleaning wipes (for removing grease residues),
- A short table (e.g. wood) of 30 x 4 x 4 cm (for threading the corner profile), 6 screws 4.5 x
60 mm (for screwing the door frames).

Number of persons:

It is advisable to work with at least two people, one person should hold the window frames and the other person should carry out to fix the frames.

And of course nice dry weather by doing it. ☺

3. MEASURE WINDOWS AND DOORS

When taking measurements on windows and doors, it is important, always take the inside of the window or door (height and width). Please measure the exact size of the window or door between the plastic cover strips as shown below.



Measure the exact distance between the two plastic finishing frames.

It is not necessary to specify the thickness of the plastic processing frame. The new plastic window frames have sufficient "overlap" to take this into account.

Use the same procedure for the height measurement.

4. REMOVE EXISTING FRAMES, WINDOWS AND DOORS

The existing window and door frames are screwed into most mobile homes.



Make sure that the screwdriver or the bit is seated properly. Otherwise there is a risk that the screw will be damaged. After that, it is very difficult to remove the screws.

Carefully remove all screws on the outside of the frames. Make sure that all screws are removed, otherwise the aluminum coating of the mobile home can be damaged when the frame will be removed.

The frames and the mobile home wall are usually sealed with a "putty-like" sealant. Now carefully try to remove some sealant from the bottom of the frame with a flat screwdriver. Do this on both sides of the frames. If there is space between the frame and the panel on both sides, try gently using your thumb and index finger and a little force to loosen the frame at the bottom. Do this carefully, since the thin caravan coating is of course not particularly strong and could be damaged. In most cases, the frame can now be easily removed (as in the following example) and then can be completely removed.



Carefully remove the sealant from the "hollow" parts of the coating. Do this on both sides and at the bottom of the frame.

After that, the frame could be removed.

5. REMOVE ALL KIT / SEALANT

Before the new plastic window frames can be installed, the remaining sealant around the window must be removed completely. This is very important, if the old sealant remains on the coating, the Compriband applied to the new frame cannot be pressed properly against the mobile home wall and seal the window and later leaks can occur.

The remaining sealing residues can be removed easily with an old (preferably blunt) potato peeler or a carpet knife.



Avoid scratching and damaging the frame of the mobile home. Look to the pictures.

When all sealants have been removed with the knife, the last residues can be removed with a polishing cloth, please do that.

Tip:

Use a little bottle of **WD-40** to do this. This dissolves the excess seal residue so that it can be polished away easily without damaging the paint on the mobile home.



The surface can degrease with water by adding a dash of alcohol.

6. REMOVE OLD PLASTIC COVER PROFILES

If the old window frame has been removed, the old plastic finishing profiles (e.g. clips) must also be removed. These were attached often simply with a metal clip. Look at the picture next door.



These can be removed easily with a side cutter or pliers.

You can go first under the staple with an old flat screw / nail and hammer so that it comes up easily. The staple can be removed easily with a side cutter or pliers.



Now the plastic cover profiles can be removed easily.



The preparatory work is now complete and the new plastic window frames can be installed.

7. INSTALLATION OF NEW PLASTIC WINDOW FRAMES AND DOORS



left:

The new plastic window frame must be inserted completely into the hole. At first the top of the frame is inserted into the hole and then pressed into the bottom.

Now it is necessary to work with several people. 1 or 2 people hold the window frame from the outside. The other person assembles the new finishing and assembly profiles on the inside of the window.



above:

With a wooden block (with a protective cloth mounted at the end), the plastic cover and the mounting profile are hammered carefully into the profile of the frame. So no longer you have to screw! The frame is mounted by a clamp connection.

It is not necessary to use a new kit / stick. The Compriband ensures a good waterproof seal, which is applied to the plastic frame.



Tip:

Before beginning, you have to measure the corners well, where you want to start with the profile. There are a piece of plastic in the corners, that goes over the plastic cover and the mounting profile. It is very difficult to remove the profile, if you have fixed it.



Make sure that there is sufficient back pressure on the outside of the window frame while fitting the profile is installed from inside.

Also be sure that the profile is pressed equally far into the frame at all points. When installing the profile, make sure that everything fits perfectly.

Be sure that you don't slip with the hammer, otherwise may be a new window is necessary 😊.



left:

After all 4 cover / mounting profiles have been attached and fixed to the inside of the mobile home, you can see that the Compriband makes it waterproof everywhere from the outside..



left:

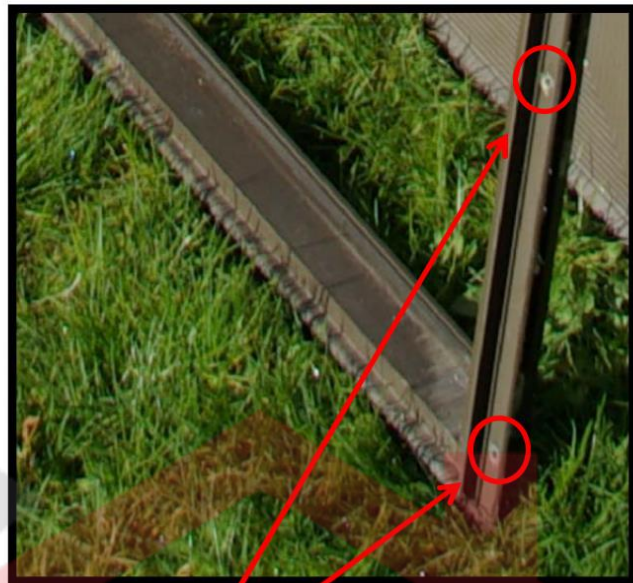
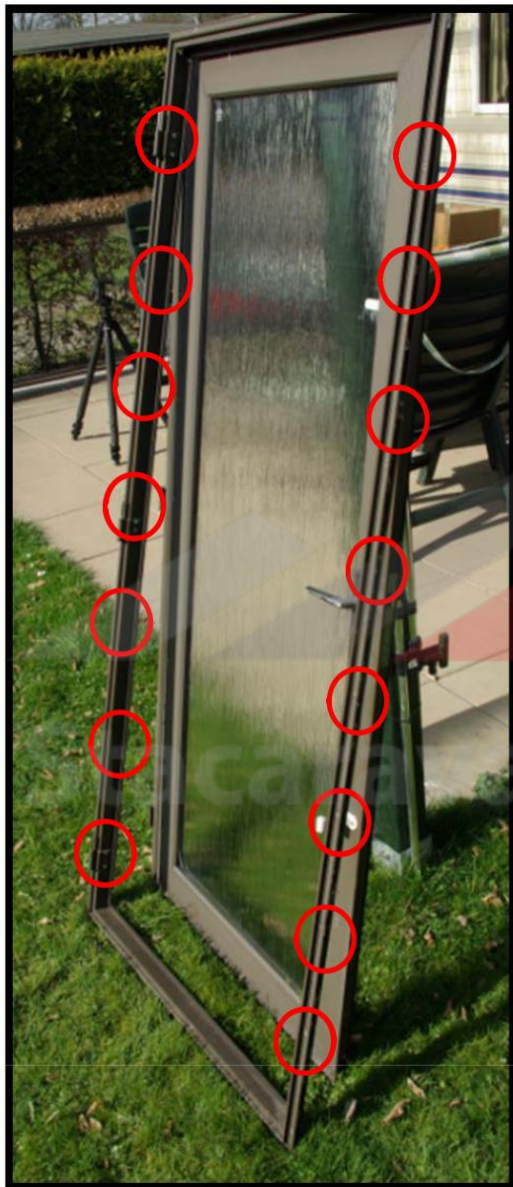
Now the window can be opened by unlocking both handles and pushing the window out from the inside.

The window is in "equilibrium" and remains in all positions.

Now the blue protective film can be removed from the window.

8. PLACING THE PLASTIC DOOR AND WINDOW FRAMES

Remove all **screws** from the old door frames. Then (just like the window frames) remove the putty-like sealant with a flat screwdriver on the left and right underside of the door frame. The door frame is released by applying light force with your thumb and index finger between the door frame and the cover of the mobile home..



above and left:

Remove all screws from the old door frame. The number of screws could be various depending on the mobile home.

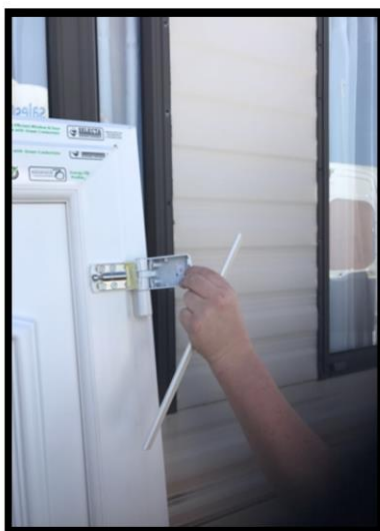
right:

Be sure that any remained sealant on the coating is removed as describing previously.





Please tap carefully the hinge cover with a piece of wood. This allows it to be moved back and forth a few millimeters.



You can now open the protective cap.

Please open all hinges



Now open the door carefully until it is in line to the frame. After that the door can be lifted out of the frame.

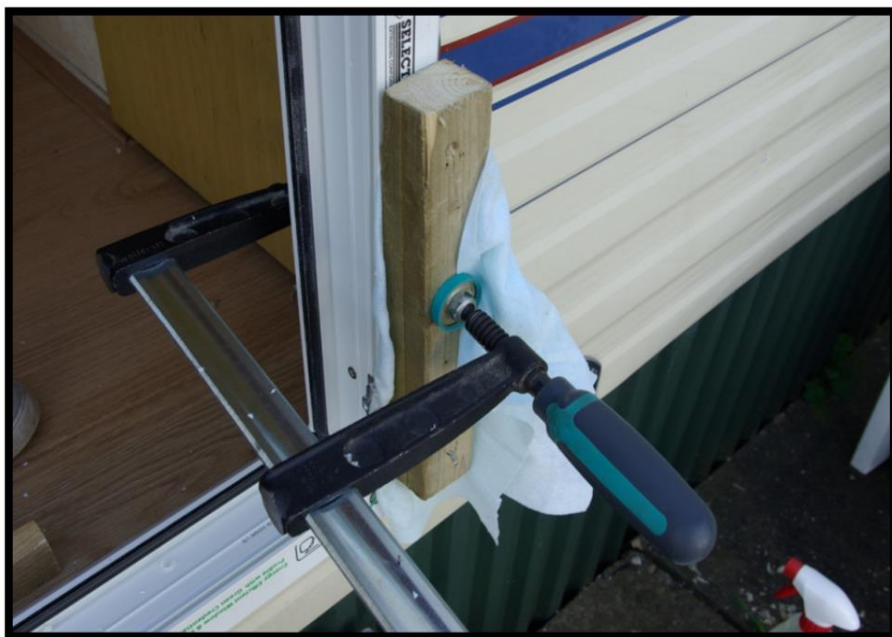


Please stick the supplied self-adhesive compression tape along the edge of the door cleanly.

It is important that the adhesive tape is stuck cleanly in the wave motion of the coating and that the Compriband "touches" the substrate well everywhere..



The Compriband can be adjusted easily with a knife or carpet knife.



Now place the plastic door frame in the door hole and temporarily secure it with a screw clamp at the top and bottom. Use a wooden stick between the plastic of the frames and the adhesive clamp with a polishing cloth rag, that the door frame is not damaged. When placing the frame temporarily, make sure that it is firmly attached to the paneling of the mobile home and that the Compriband is pressed equally hard everywhere..



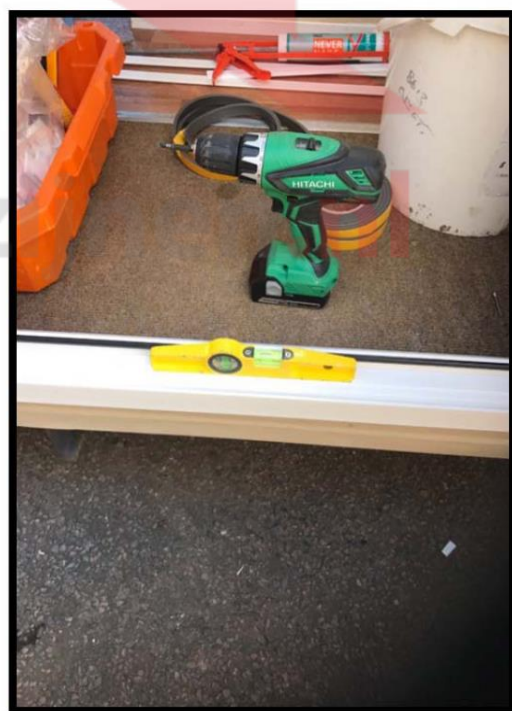
right:

Make sure sure, that the frame is fixed in the door hole. Fit it again, If necessary.



left:

Drill a 5 mm hole in the top right corner of the frame. Drill the hole with a good / sharp drill. Now screw the frame in place.

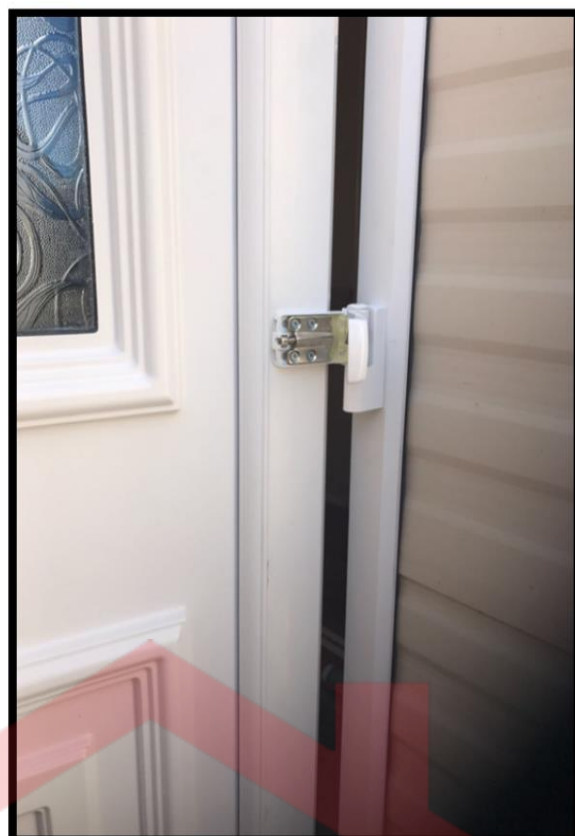


Repeat it 5 times again:

- (1 x top left + 1 x top right)
- (1 x down left + 1 x down right)
- (1 x middle top + 1 x middle down)



Now the door can be hung in the hinge pins.



Use the adjusting screws to adjust the door until the door closes properly and no longer grinds.

Set screw



9. FINISHING THE INSIDE OF THE DOOR FRAMES

The inside of the door frame must also be properly finished and firm. To do this, use the included supply-parts and plastic corner pieces.

The molded parts can be made as needed.



Fasten the corner pieces with the supplied nails.

10. RESULT AND COMPARISON - OLD - NEW -

Below you see an example of a mobile home replacing all aluminum frames, windows and the single glazed door with plastic frames into a double glazed door.



A mobile home in the “old style”....
(Aluminum frame and single glazed door).

The same mobile home after renovation with
the do-it-yourself package. (Plastic window
frames and door with double glazing).

