

## Installation instructions for PolySto CleanSheet as hygienic wall cladding

### Step 1: Before installing

- Store the CleanSheets in the room where they will be installed for at least 48 hours. This is for adaptation purposes.
- Clean the wall carefully from any contamination like fat, dirt, dust, blood, etc.
- Apply a primer on porous substrates (e.g. plaster, limestone, porous cement-coated walls, cellular concrete, etc...)
- The walls must be dry to be able to glue.



### Step 2: Installing the sheets on the wall

1. Start in a vertical corner. Check with a laser the vertical straightness of the corner. If necessary, adjust the CleanSheet accordingly so that the other side of the CleanSheet can be perfectly aligned vertically.
2. Measure the height of the wall and cut the PolySto CleanSheet if necessary. Use a jig saw or circular saw with a cutting disc suited to cut metal.
3. Check the horizontal straightness of the floor and adapt sheet size if necessary.
4. If the standard size of the PolySto CleanSheet is not enough to cover the total height of the wall, mark the end of the sheet on the wall or use a laser.
5. Measure and mark the positions for the connection profiles.
6. Apply PolySto Hard Fix Glue to the back of the CleanSheet or to the wall. Do this with a nozzle that has been cut to size so that lines of about 10mm in diameter can be extruded. Make vertical lines that are maximum 10 cm apart. Make sure that the lines of glue closest to the sides are about 2 cm from the edge. Be sure not to create a snake-like pattern with the glue! This can prevent the trapped air from escaping when rolling and is guaranteed to cause problems in the future (eg. blistering).



7. Take a start/end U-profile and partially fill it with Food Safe Sealant white. Push the profile onto the bottom end of the CleanSheet.
8. If necessary, use a start/end U-profile for the side of the sheet and partially fill it with Food Safe Sealant white and push it onto the side of the PolySto CleanSheet. (Repeat the same step for the last sheet if necessary.)
9. The joints can be finished in 2 ways: with H-profile or with HygiSeal.



*With H-profile:* Take the wall part (female) of the 2-piece connecting H-profile and cut it to the correct length. Apply Hard Fix Glue to the back of this wall part and place the profile. Stick the PolySto CleanSheet on the wall and press lightly. Adjust the position of the sheet if necessary. Use a laser to make sure it's perfectly vertical aligned. Then press well. Use the pressure roller to continue pressing properly. Work vertically upwards and downwards from the center so as not to trap air. Make sure that there is about 2 to 3 mm space between the CleanSheet and the middle part of the wall part of the profile.



*With HygiSeal:* Stick the PolySto CleanSheet on the wall and press lightly. Adjust the position of the plate if necessary. Use a laser to make sure it's perfectly vertical aligned. Then press well.

Use the pressure roller to continue pressing properly. Work vertically upwards and downwards from the center so as not to trap air. Leave approx. 4 mm joints between the sheets.

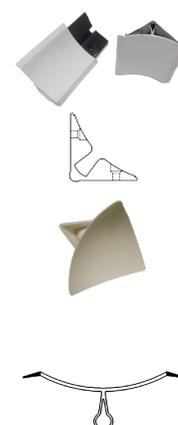
It is important to use an H-profile every 5th joint. This profile then serves as an expansion profile to give space for the thermal expansion of the sheets.

Make sure that there is about 2 to 3 mm space between the CleanSheet and the middle part of the wall part of the profile.

10. Repeat the previous steps to install the next sheets.

### Step 3: Finishing

1. After gluing let the PolySto CleanSheets rest for at least 24 hours before finishing. (Note that PolySto Hard Fix Glue takes a minimum of 24 hours to cure.)
2. In the corners we work with 2-part rounding profiles. Measure the size and cut this rounding profile to size if necessary.
3. Take the wall-part of the rounding profile (female part) and hold it where it is to be installed, drill holes, depending on the type of fastener, and fix the profile in the corner.
4. Use the appropriate corner shells when you have a 3-way connection of the rounding profiles.
5. To create inner or outer corners with this profile, cut the profile at the correct angle for a neat connection.
6. Apply a continuous thin line of Food Safe Sealant white in the longitudinal direction on the back of the cover-profile (male part). This just next to the flexible lips towards the inside (about 3mm from the edge). This silicone serves as a second seal.
7. Click the cover-profile into the wall-part profile. If necessary, clean off the excess silicone with PolySto cleaner.
8. Finish start/end U-profiles with PolySto HygiSeal or Food Safe Sealant white.



When the joints will be finished with HygiSeal, please find the instructions video on YouTube:



*HygiSeal in CleanSheet joints*

