

# Assembly instruction

## TerraWood - DESIGNO

### plug-in fence Siberian larch



The width of the panels can be adjusted by shortening the individual components themselves. However, in order to ensure possible length expansion due to temperature fluctuations, the WPC slats (and aluminum springs) must be kept 0.7 cm shorter than the aluminum top and bottom profiles. The slight expansion of the WPC slats is then compensated by the grooves in the posts.

When installing on soft ground, it is essential to cast the posts in concrete, and the size of the concrete-filled post hole should be at least 30 x30x70cm to ensure optimal stability in strong winds. The aluminum posts should also be anchored in the concrete. To do this, drill a hole in the post at a depth of about 30cm and attach a piece of steel wire to it, for example (Fig. 1).

**Note: It is very important to set the posts exactly vertically and at the correct height before you start the installation. This will lay the foundation for an accurate installation and a professional appearance of your privacy fence. Also note that the distance between the individual posts is determined by the length of the aluminum top and bottom profiles minus the groove depth of the posts (16 mm).**

For this system, "long" posts (for pouring into concrete) and "short" posts with post holders (for mounting on hard ground) are available. (Post brackets also available separately).

The plug-in self-assembly fence systems consist of the following elements:

- Aluminum post, 68x68mm with 3 grooves (Fig. 2-A) + 2 cover profiles (Fig. 2-B) + plastic cover cap (Fig. 2-C) and pre-mounted spacers of 5 cm in the grooves (Fig. 2-D). The length of the posts depends on the desired height of the fence as well as on the chosen method of mounting the posts (with post holders or cast in concrete). The posts can also be used as corner posts. The exposed post grooves can be covered using the cover profiles provided.
- Each series offers end strips and partly also start strips, each incl. 2 mounting clips and screws (Fig. 3).
- Filling boards cut to length, some with design intermediate strips. The DESIGNO series are prefabricated elements and connecting sleeves.

#### INSTALLATION INSTRUCTIONS:

**Step 1:** First, set the posts exactly vertical, at the correct height at the correct spacing. Use the length of the top and bottom profiles to determine the correct distance between the posts. The standard distance is 180 cm and must be measured from the inside of the grooves of both posts (Fig. 4).

Fix the floor spacer for long posts according to the desired construction height (planned is min. approx. 5cm above the floor).

Wait until the concrete has cured before proceeding to step 2. If you mount the posts on hard ground or a foundation using post holders, you can proceed immediately to step 2.

**Step 2:** After you have first temporarily removed the plastic mullion cap (Please do not lose it!), you can start assembling the individual components. To do this, first place the aluminum bottom profile with the guide spring facing upwards on the spacers in the grooves of the posts; alternatively start directly with the infill. Now slide the slats in one after the other until the desired fence height is reached. Finish off the top with the matching end profile.

**Step 3:** Take the 2 mounting clips and place them on both ends of the top profile, with both noses in the post grooves (Fig. 4). Now screw the mounting clips to the top profile using the screws provided. The securing clips must be able to move freely in the groove to compensate for any vertical dimensional changes in the horizontal WPC planks (the planks must remain movable). You can then replace the post caps.

After installation, the fence should be cleaned with a suitable WPC cleaner to remove dirt and production residues.

