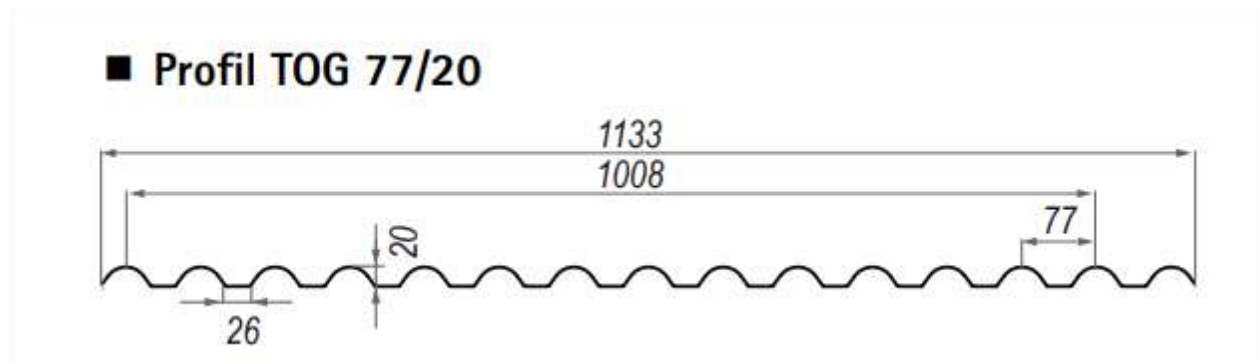
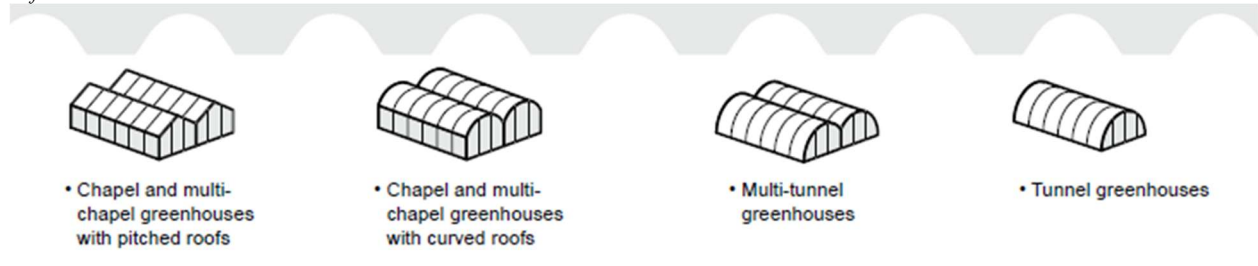


IMPLEMENTATION GUIDELINES FOR TROPICAL CYCLONE ZONES for the profile **TOG 77x20 BIO3 HP – 10/10** thickness Greenhouse structure

Ref: GB26 133 – 05/2026



The following study is based on wind forces corresponding to normal dynamic base pressures ranging from 120 daN/m² to 210 daN/m² in extreme conditions, in accordance with Zone 5 of the NV65 regulations.

TOTAL ROOFING AND CLADDING: IMPLEMENTATION

The spacing between purlins and battens will allow deflections of 1/50 of the centre-to-centre distance under basic wind pressure and depression.

The collapse loads of the product must be greater than or equal to three times the wind pressure and depression loads

Extreme pressure: 210 daN/m²

BIO3 HP thickness 10/10 profile TOG 77x20

Maximum spacing between purlins and battens: 1.00 m

Longitudinal overlaps: 2 waves for a useful width of 1.00 m

Transverse overlaps: Single-length sheet without overlapping where possible

- Side overhangs: 0 mm to prevent wind damage.
Plan to install metal edging.
- Free overhang at the ends: typically, 50 mm to 100 mm maximum to limit the effects of wind resistance.
Under no circumstances should the sheet overhang exceed 150 mm.
- Shetts fastening: The shetts will be fastened in the corrugation trough using A2 stainless steel self-tapping screws suitable for the thickness of the supports + 19 mm diameter stainless steel vulca washers under the head to ensure perfect tightening on the supports.

Code: **20759**



The screw must have an assembly capacity that is appropriate for the type and thickness of the substrate.

Stainless steel quality must be used due to the application and the climatic conditions of the area, which may include saline environments.

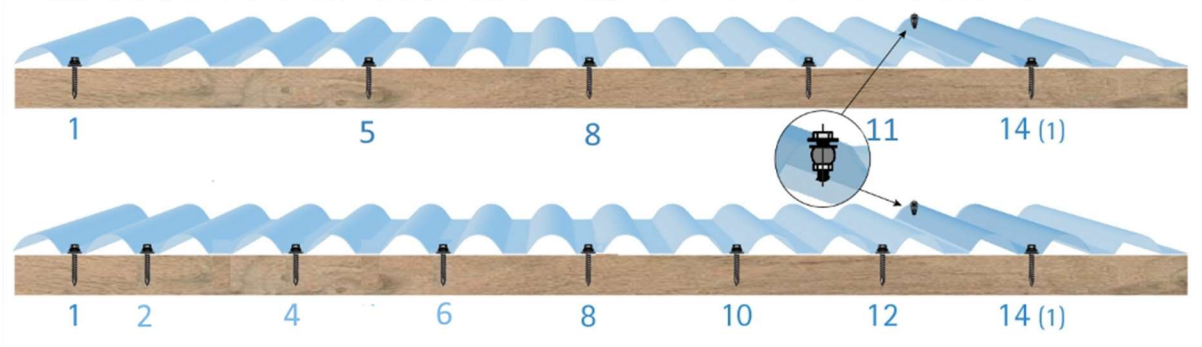
The washer under the screw head must have a minimum diameter of 19 mm and be doubled with a flexible sealing washer.

Any other use of fasteners remains the responsibility of the installer.

The fixing density should be:

On the intermediate rails and crossbars:

4 fasteners with the following distribution Bottom b1 – b5 – b8 – b11 and (b14)



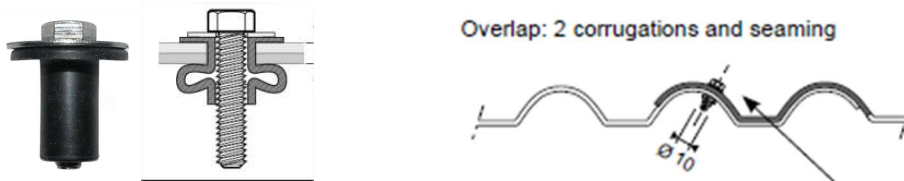
On the end sheets rails and crossbars:

7 fasteners spaced every 2 wave troughs with the following balanced distribution:

Bottom 1 – b2 - b4 – b6 – b8 – b10 - b12 then (b14)

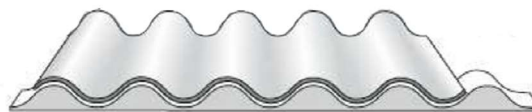
The longitudinal overlaps should be sewn together halfway between the purlins and the rails using 9x16 wide-head plastic rivets with stainless steel screws to ensure that the overlaps are held securely in place and to prevent the corrugation from lifting due to expansion and wind pressure during cyclones.

Code: **09270**



The low and high waves of the crawl space can be sealed using a light-colored foam sealant, provided that the structure is adequately ventilated. This is to prevent temperatures from rising above 60°C.

Code: **11407**



All peripheral features, such as banks, water outlets, etc., will be made from 75/100th lacquered sheet metal, if necessary, in a light colour.

We recommend pre-drilling the plates to a diameter 4 mm larger than the screw diameter to allow for expansion between summer and winter if these are significant.

These recommendations are in addition to the information in our package leaflet and information contained in our package leaflet BIO GB26 011 – 11/2026.

