SAB PROFIEL

A Tata Steel Enterprise

# Installation Guidelines SAB Design profiles

## For SAB-Pyramid Series, SAB-Tribune, SAB-Block, SAB-Merlon, SAB-Robusta, SAB-Vinex, SAB-Wave, SAB-Diamond, SAB-Pagode, SAB-Salsa, SAB-CustomDesign

We recommend a maximum span of 1500 mm for all design profiles. The maximum blade length depends on the blade type: 7500 mm or 6000 mm (see SAB website). To prevent open longitudinal seams, the overlaps must be joined at a distance of 500 mm.

The substructure should comply with the IFBS guidelines for the installation of sandwich panels. This means that the profiles must not have a hollow structure.

SAB-profiel recommends that the design profiles **should not be mounted transversely overlapping**. The large number of profile surfaces and thus settlements can show large visual deviations in terms of the "stiffness" of the profile in the event of a slight deviation in the profile geometry. These imperfections are greatly intensified, especially with dark colours.

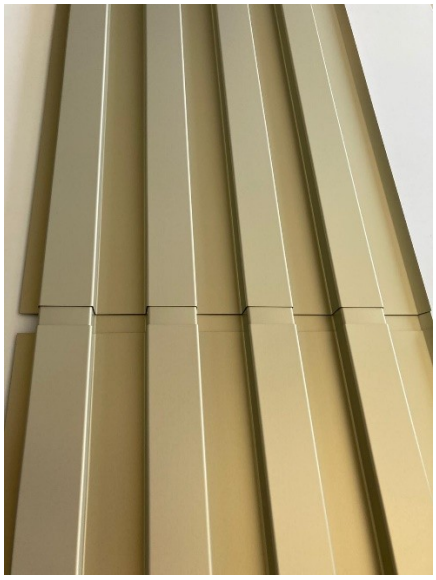
If you choose an overlapping installation, the first thing to do is to set up a test area. After a visual evaluation and approval of this test area in various weather conditions, the rest of the assembly can begin.

We recommend mounting the SAB Block, SAB Robusta and SAB Salsa profile vertically. If these profiles are mounted horizontally, without drainage and cannot be completely rinsed by natural washing, there is a greater risk of premature corrosion formation. For horizontal installation, we recommend inspecting the façade monthly and/or cleaning it for all types of coatings if necessary.

With a façade height/length of >6 meters, it is preferable to apply dilation for some profiles, such as SAB block. Alternatively, you can opt for processing with clips. If you choose clipping, a test area must first be set up. After a visual evaluation and approval of this test area in different weather conditions, the rest of the assembly can begin. Especially with dark colors, imperfections can be greatly magnified.

SAB PROFIEL

A Tata Steel Enterprise



When mounting, a distance of 2 mm must be kept between the panels to absorb the effect of the material.

All screws for the design profiles must only be fastened with a slip clutch. It is important not to tighten the screws so tightly that tension and/or dents are created around the screws. The screws must also be tightened with the same torque.

Only during assembly can it be assessed what the best course of action is for the respective project.

For more information, please visit our website and the IFBS Quality Guideline for Metal Facades and Roofs.

Version 2026