Optimising the Thermal Zone

Insulation is one of the most important building features for comfort and energy efficiency. Proper insulation helps the building to remain comfortable and energy efficient without the need for extremely costly heating and/or cooling machinery that excessively consume energy. In the modern built environment where aluminium windows, doors and facades are commonplace, ensuring adequate and appropriate insulation can lead to tremendous energy – and cost – savings.

A market leader in multiple industries with a suite of innovative and market-oriented solutions, Technoform specialises in the optimisation of the thermal zone in windows/doors/facades, creating a comfortable indoor environment and keeping energy costs low. This results in improved thermal performance of the building envelope, a better energy footprint and a considerable reduction in carbon emissions.

One of its core solutions, the Thermal Break (SGBP ✓✓✓), improves the thermal performance of windows, doors and facades. Connecting the exterior and interior aluminium profiles, while keeping mechanical performance at the highest level, the solution prevents direct exchange of heat and cold – and create what is known as the “thermal break”. The result: minimised thermal conductivity, optimised building efficiency, and a better energy footprint.

Technoform’s solutions have shown to be able to reduce energy consumption due to façade heat gain by more than 25 percent, considerably reducing carbon emissions. All these translate to energy and cost savings which can then be spent on other areas of the building, knowing that the building’s insulation is well taken care of.

With more than 50 years in the industry, Technoform works closely with its partners to develop thermal insulation solutions for the building façade. From consultation on design and optimisation of the thermal zone in facade systems to the support and documentation for the specification of Thermal break and Warm Edge Spacer solutions, Technoform stands ready to optimise the thermal zone.