

## **BENEFITS OF VENTILATED FAÇADE CLADDING SYSTEMS FOR ENERGY EFFICIENCY**

TWEHA adhesive systems are generally used only in ventilated facade constructions. These facade constructions offer several advantages in terms of energy efficiency. We would like to list some important benefits for you:

- **Thermal insulation:** Ventilating facade cladding systems act as an additional insulation layer for the building. The airspace between the cladding and the structural wall provides a buffer zone that reduces heat loss in winter and limits heat absorption in summer. This allows buildings to maintain their internal temperature better, leading to less energy waste from heating and cooling.
- **Air circulation:** The ventilation space behind the facade cladding allows for air circulation. This helps reduce moisture and condensation, thereby limiting the risk of mold growth and wood rot. A drier and better-ventilated facade contributes to a healthier indoor climate and reduces the need for energy-intensive moisture control measures.
- **Protection against overheating:** In warm climates, ventilated facade cladding systems can help prevent building overheating. Better heat dissipation keeps the indoor temperature more moderate, reducing the need for energy-intensive cooling systems to maintain a comfortable environment.
- **Design flexibility:** These systems offer architects and designers a high degree of flexibility in shaping the facade. Different materials, colors, and patterns can be used to create an attractive and unique appearance. A well-designed facade can also contribute to the natural lighting of the building, reducing the need for artificial lighting.
- **Extended lifespan:** The protection of underlying building materials from weather and moisture through the ventilated system can extend the facade's lifespan. This means the building requires less frequent renovation or repairs, resulting in long-term energy and material savings.

Overall, ventilated facade cladding systems contribute to a more efficient use of energy in buildings, resulting in lower energy costs, a smaller ecological footprint, and an improved living environment for users. If you would like more information or wish to contact us about what we can do for you, please send us an email at [info@tweha.com](mailto:info@tweha.com).