

FIRE SAFETY IN VENTILATED FAÇADES: HOW DO TWEHA ADHESIVE CONNECTIONS PERFORM?

Fire safety remains a critical concern in façade engineering, particularly in ventilated façade systems. These constructions — characterized by an open cavity between the load-bearing wall and the cladding — offer both aesthetic and thermal performance advantages. However, they can also pose specific fire risks, especially when detailing is poor or non-fire-resistant materials are used. In such cases, fire may spread rapidly through the ventilated cavity.

As a result, growing attention is being paid to the role of fixing methods in façade fire safety — including structural adhesives. A common question within the industry is whether these adhesive systems negatively affect fire performance of the façade.

Multiple international fire tests have demonstrated that TWEHA adhesive connections do not contribute to fire spread in ventilated façade systems. On the contrary, the adhesive performs within the defined safety parameters and does not initiate or accelerate fire development.

These findings confirm that TWEHA adhesive systems are a safe and reliable option in fire-conscious façade design. Naturally, overall façade performance depends on a combination of factors — including insulation type, substructure materials, and detailing — all of which must be assessed holistically regarding fire behavior.

With proper engineering and informed product selection, ventilated façades can be both visually striking and fire safe.