

## **CONTROLLING THERMAL STRESS ON FAÇADES THROUGH SMART BONDING TECHNIQUES**

Façades are constantly exposed to significant temperature fluctuations due to day and night cycles, local sun exposure, and seasonal solar loads. These variations generate thermal stress in the cladding, which—if not properly managed—can lead to damage such as cracking in the façade panels.

A smart solution lies in the use of 3 mm double-sided tape in combination with a flexible adhesive. The tape initially acts as temporary support during the curing of the adhesive bead but also plays a key role as a spacer—ensuring a consistent 3 mm adhesive thickness.

This uniform thickness, together with the high flexibility of the adhesive (capable of up to 300% deformation), allows for effective absorption of stress and movement.

The result? A durable, stress-free façade without visual or structural damage.

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