ADECO'S ESC CONCEPT

Elastic Sandwich Compound

adeco esc®

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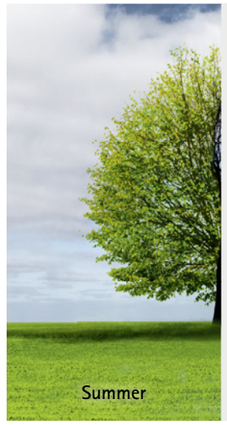
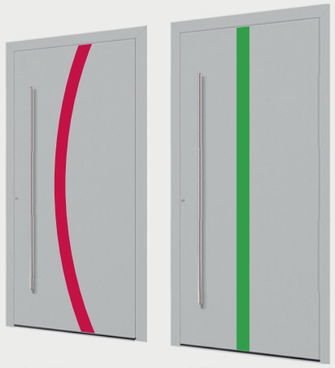
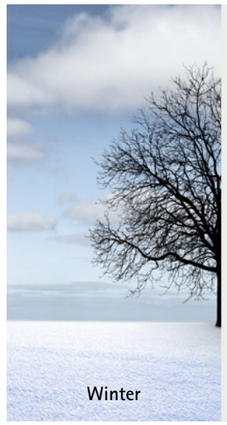
Elastic Sandwich Compound

The ESC concept

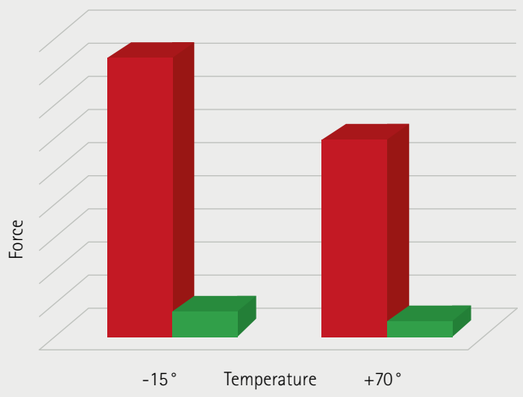
- The elastic sandwich compound for panels installed in exposed positions or coated in dark colours.
- The elastic sandwich concept minimises the forces emanating from strong sun radiation or extreme cold.
- The increased resistance is due to cellulose inserts in the foam core and a reduction in glued surfaces.
- Available for aluminium panels ≥ 36 mm total panel thickness.







Comparison of forces rigid/elastic compound



Rigid compound **w/o ESC**
Elastic compound **w/ ESC**

Based on the increasing demand for entrance doors with improved insulation values in recent years, the design depths of profiles and thus the total thickness of panels have become much greater. The optimised thermal insulation properties also have an effect on the entrance door, especially when it comes to closed panels coated in dark colours and installed in exposed positions. Depending on the design and the material of panel and profile, reciprocal effects may occur, leading to a possible warping of the entire door sash.

The elastic sandwich compound (ESC concept) takes up and considerably reduces the forces emanating from strong sun radiation and extreme temperatures. A patent for adeco's ESC has been applied for. The increased resistance is due to cellulose inserts in the foam core and a reduction in glued surfaces. Especially closed entrance door panels and those with small glazed inserts thus benefit from an increased reduction in forces. Therefore, we strongly recommend opting for the elastic sandwich compound for these variants.

Think about the next summer/winter already now. ESC, the elastic sandwich concept for exposed positions and dark colour coatings.

THE ESC CONCEPT

Would you like to get more information on adeco's ESC concept? Please contact your adeco sales representative.

www.adeco.de

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