



WHO WE ARE

We are Element, one of the world's leading independent providers of testing, inspection and certification services to a diverse range of industries, where failure "in service" is simply not an option.

Everything we do is aligned to deliver one thing for our customers – Certainty.

We exist to help all of our customers to make certain that the materials and products that they make are safe, quality compliant and ultimately fit for purpose, using our 200 years of testing experience and our global testing capabilities.

That is the Certainty of Element.

CLAUSE 6: TEST FOR AIR PERMEABILITY (in accordance with EN1026)

The air leakage through the test sample is measured at pressures from 50Pa up to 600Pa both positive and negative, and the sample is classified from level 1 (worst) through to level 4 (best) based on the leakage per unit area and leakage per unit joint length

CLAUSE 7: TEST FOR WATER TIGHTNESS (in accordance with EN1027)

The test sample is sprayed with water at the head for 15 minutes, then at increased pressures of 50Pa, 100Pa, 150Pa, 200Pa, 250Pa, 300Pa, 450Pa, 600Pa and increasing at 150Pa intervals until water leakage occurs for five minutes at each pressure step. The test sample is classified based on the pressure step prior to which water penetration occurred.

CLAUSE 8: TEST FOR RESISTANCE TO WIND (in accordance with EN12211)

Deflection of the sample is measured under a high wind pressure (typically 2000Pa or higher for windows and 800Pa for doorsets). This is followed by 50 cycles of repeated positive and negative pressure of 50% of the deflection pressure, then a final safety test of 150% of the deflection pressure. The test sample is classified based on the pressure applied and the deflection measured.

UK EXPOSURE CATEGORY

A performance category to be applied in the UK based on the results of all three weather tightness tests.

FOR FURTHER INQUIRIES

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