LIFTINSTITUUT

The Liftinstituut Fire safety certificate:
all your lift landing doors tested, classified and certified in line with EN 81-58

One European fire safety standard, one certificate accepted throughout Europe

Whereas until recently your lift landing doors had to meet the separate fire safety requirements of each European country, that is a thing of the past with the arrival of the new European standard. From now on a single assessment in line with EN 81-58 will be all you need. Carried out by Efectis and certified by the globally recognised certification organization Liftinstituut, this single, simple procedure takes care of everything.

Let Liftinstituut show you the most efficient way

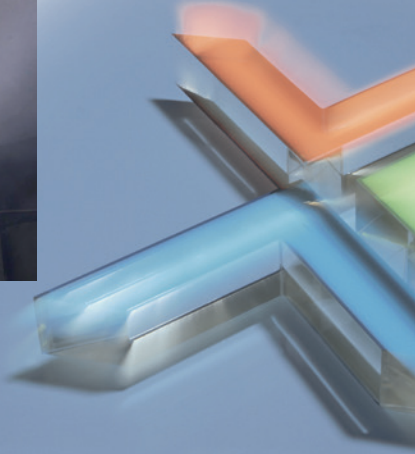
The new European standard already cuts out a lot of red tape for you, but Liftinstituut can make the certification procedure even more efficient and simpler with its step-by-step guidance. With our unrivalled standards and certification expertise we will explain clearly to you which requirements you have to meet as well as their specific nature, and support you in the assessment by Efectis. Once all requirements have been met, we will commence classification and certification. We will guide you through each step in the procedure, delivering on our motto every step of the way: 'Better Together'.

Our certificate carries weight

The official Liftinstituut certificate and the classification it attests to will enable you to demonstrate within Europe – and increasingly far beyond its borders – which fire safety requirements your lift landing doors comply with. The name Liftinstituut will give you a major competitive advantage. Tests carried out under the supervision of a recognised and renowned Notified Body such as Liftinstituut provide significant added value compared to a report from a test centre. The fact that the European Commission prefers the Notified Body route tilts the balance even further.

Liftinstituut

efectis group



About NEN-EN 81-58

NEN-EN 81-58 is a harmonised standard mandating the test methods for classifying fire resistance provided by hoistway doors. If you meet that standard you will be in compliance with the essential safety requirement of the Lifts Directive. In addition to the conditions for the test configuration, the standard also mandates the assessment criteria. The criteria are reflected in a classification system in letters (E, I and/or W) and figures (the time until the classification thresholds are exceeded).

Integrity (E)

The integrity of a door is a function of its leakage ratio. The leakage ratio per metre of open door is calculated on the basis of the temperature measured and CO^2 leakage. The leakage ratio must not exceed 3 m^3/minute/metre. If flames are visible for more than 10 seconds, integrity is likewise considered lost.

Thermal insulation (I)

- The average temperature rise must not exceed 140° C.
- The maximum temperature rise for parts wider than 30 cm must not exceed 180° C.
- The maximum temperature rise for parts wider than 10 cm must not exceed 360° C.

Radiant heat (W)

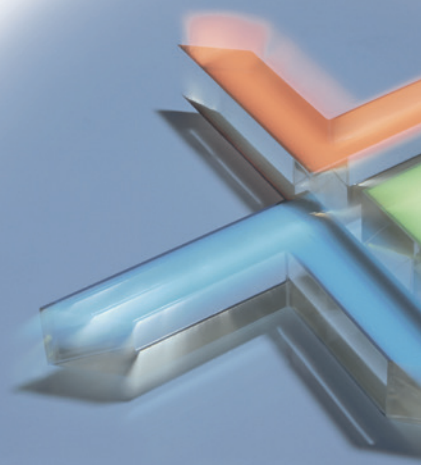
This is determined if the radiant heat measured exceeds the value of 15 kW/m^2.

Thoroughly prepared, thoroughly tested

The test configuration is shown above. The large, open test furnace is closed with a heavy panel. The panel consists of a thick, brick wall the opening of which houses the entire landing door frame, including telescopic sliding doors, shoe guide, interlocks and rollers. Instruments are attached to the frame and the doors: thermocouples (five on each door and four on the frame), displacement sensors, furnace pressure meters and a radiant heat meter. In addition a collector system with CO^2 measuring is used. Together these instruments – all calibrated in line with the standard – take all required readings.

Want to know more?

Want more information about our fire safety tests for lift landing doors? Or about other services provided by Liftinstituut? Call +31 (0)20 – 435 06 06 or visit www.liftinstituut.com.



LIFTINSTITUUT

Liftinstituut B.V.
Buikslotermeerplein 381, 1025 XE Amsterdam,
PO Box 36027, 1020 MA Amsterdam, The Netherlands
Tel.: +31 (0)20 - 435 06 06, fax: +31 (0)20 - 435 06 26
contact@liftinstituut.com, www.liftinstituut.com

Liftinstituut