

Fire Tests and Certification – Tested in Europe, Certified for the World



UL and ift Rosenheim offer manufacturers of building elements and building materials tests for fire behavior, fire and smoke resistance, fire spread, flammability and further product characteristics from one single source.

Working closely with ift Rosenheim and UL will provide many synergies, such as the possibility of combining fire tests against multiple standards and product testing for the widest possible range of products with attention to a high level of quality and service and with wide global market acceptance. In the Centre of Excellence for Fire-Resistance Testing, tests can be carried out according to EN, UL, ULC, DIN and British standards, so the certificates are valid not only in Europe, but also in the USA, Canada, Middle East, Latin America and Asia.

The following test equipment is available:

1. Furnaces for fire resistance:
 - a. 8m wide x 5m high for doors, dampers, glazing, firestopping, facades and more
 - b. 5m wide x 5m high for doors, dampers, glazing, firestopping, facades and more
 - c. 4m wide x 5m long for testing load-bearing beams, floors, roofs, ducts and dampers

- d. 3m high x 3m wide loaded and unloaded column testing
- e. 2m deep x 1.5m wide x 1.5m high testing for horizontal and vertical testing of walls, floors, firestopping and more
2. Web-based video equipment for worldwide video transmission of tests
3. Reactions to fire tests including the single burning item (SBI test)
4. Smoke protection
5. Durability testing up to 9m x 5m sizes of doorsets
6. 9,5m wide x 7,5m high curtain wall testing for air permeability, water tightness, wind loads up to 6000 pa as well as climatic loads

Secure and private installation areas with crane systems and workshop areas as well as special mounting frames allowing maximum convenience. Examples of some of the tests available are shown overleaf.



UL – is advancing safer solutions for global testing, certification and inspection. UL certifies, validates, tests, verifies, inspects, audits, advises and educates. UL provides solutions for market access to Europe, the Middle East, Asia and North and South America and provides the highest legal acceptance and recognition in the security technology industry for buildings and life. UL builds trust in the safety, security, and sustainability of products, which enables smarter choices and better lives.

More information: UL.com/FireTestingEurope
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IFT Rosenheim – supports the industry as a neutral scientific institute with tests, research, certification and quality management as well as standardization, further education and publications since 1966 with more than 200 employees. As a result, the ift Rosenheim promotes the development of user-friendly, environmentally compatible and economical quality products that make life more comfortable and safer.

For more information, please visit www.ift-rosenheim.de
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Product group	Description	European Standards 	European Product Standards or EADs 	North American Requirements 	British Standards In accordance with BS 476: Part xx*
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FIRE RESISTANCE

Conveyor systems	Closures for conveyors and trackbound transportation systems	EN 1366-7			
Curtain walling	Fire resistance tests for non-loadbearing elements, curtain walling, part configuration	EN 1364-4		UL 263, CAN/ULC-S101	N/A
Curtain walling	Full configuration	EN 1364-3		UL 263, CAN/ULC-S101	
Doorsets	Industrial type doors incl. chute doors, elevators, shutter, coiling doors and sliding products	EN 1634-1	EN 16034	UL 10B, CAN/ULC-S104	BS 476/22
Doorsets	Pedestrian, internal and external doors and windows	EN 1634-1	EN 16034	UL 10B/10C, CAN/ULC-S104	BS 476/22
Doorsets	Operable fire curtains	EN 1634-1	EN 16034	UL 10D	BS 476/22
Doorsets	Lift landing/elevator entrances	EN 1634-1		UL 10B, CAN/ULC-S104	BS 476/22
Non loadbearing elements	Ceiling	EN 1364-2			
Dampers	Fire dampers			UL 555, CAN/ULC-S112	
Firestopping	Firestopping and sealing systems - penetration seals	EN 1366-3	ETAG 026 Part 2	UL 1479, CAN/ULC-S115, ASTM E814	BS 476/20*
Firestopping	Firestopping and sealing systems - linear joint and gap seals	EN 1366-4	ETAG 026 Part 3	UL 2079, CAN/ULC-S115, ASTM E1966	BS 476/20*
Glass	Flat glass, profiled glass and glass-block products	EN 1634-1		UL 9, CAN/ULC-S106	BS 476/22
Glass	Coated glass	EN 1634-1	EN 1096-5	UL 9	BS 476/22
Glass	Thermally toughened soda lime silicate safety glass	EN 1634-1	EN 12150-3	UL 9	BS 476/22
Glass	Chemically strengthened soda lime silicate glass	EN 1634-1	EN 12337-3	UL 9	BS 476: Part 22
Glass	Thermally toughened borosilicate safety glass	EN 1634-1	EN 13024-3	UL 9	BS 476/22
Glass	Basic alkaline earth silicate glass products	EN 1634-1	EN 14178-3	UL 9	BS 476/22
Glass	Heat soaked thermally toughened soda lime silicate safety glass	EN 1634-1	EN 14179-3	UL 9	BS 476/22
Glass	Thermally toughened alkaline earth silicate safety glass	EN 1634-1	EN 14321-3	UL 9	BS 476/22
Glass	Basic soda lime silicate glass products	EN 1634-1	EN 572-10	UL 9	BS 476/22
Glass	Heat strengthened soda lime silicate glass	EN 1634-1	EN 1863-3	UL 9	BS 476/22
Glass	Glass ceramics	EN 1634-1	EN 1748-3	UL 9, CAN/ULC-S106	BS 476/22
Glass	Laminated glass and laminated safety glass	EN 1634-1	EN 14450	UL 9, CAN/ULC-S106	BS 476/22
Partitions	Internal partition kits for use as non-loadbearing walls	EN 1364-1	ETAG 003	UL 263, CAN/ULC-S106	BS 476/22
Walls	Fire resistance tests for non-loadbearing elements, walls	EN 1364-1		UL 263, CAN/ULC-S106	BS 476/22
Dampers	Fire dampers			UL555, ULC-S112s	

SMOKE CONTROL

Doorsets	Industrial, commercial and pedestrian internal and external doors and windows	EN 1634-3	EN 16034	UL 1784	BS 476/31.1
Doorsets	Lift landing doorsets	EN 1634-3		UL 1784	BS 476/31.1
Natural smoke elements	Natural smoke & heat exhaust ventilators	EN 12101-2			BS 476/24
Smoke barriers	Smoke barriers	EN 12101-1			BS 476/24

To learn more, visit UL.com/FireTestingEurope or contact +49 69 489810 213, EU.BuildingLifeSafety@ul.com