

ISO 17025 Accredited testing standards				laboratories of Efectis (3)			
Type of products	Region	Testing standard number	Testing standard description	France (1)	Netherlands	Turkey	UK
Reaction to fire	EN	EN 13823	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item	x	x	x	x
		EN 1021-1 and 2	Upholstered furniture: Assessment of combustibility, method 1 and 2		x		
		EN 13820	Thermal insulation - determination of organic content			x	
		EN 60332-1-2	Tests on electric and optical fibre cables under fire conditions : part 1-2 test for vertical flame propagation	x		x	x
		EN 50399	Common tests for cables under fire conditions - heat and smoke release measurements on cables	x		x	
		EN 60754-1	Test on gases evolved during combustion of materials from cables part 1 determination of the amount of halogen acid gas			x	
		EN 60754-2	Test on gases evolved during combustion of materials from cables part 1 determination of acidity (Ph) and conductivity			x	
		EN 61034-2	Measurements of smoke density of cables under fire conditions : part 2 : test			x	
		ECE R118 ek 6 and 95/28 EC-EK IV	Motor vehicles : horizontal burning rate tests + dripping test			x	
		EN 17084	Railway applications - Fire protection in railway vehicles - Toxicity test of materials and components	x			
		EN 16989	Railway applications - Fire protection on railway vehicles - Fire behaviour test for a complete seat	(x)			
		EN 60695-2-11	Fire hazard testing - Part -2-11 : glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)	X			
		EN 60695-2-12	Fire hazard testing - Part 2-12 : glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	X			
		EN 60695-2-13	Fire hazard testing - Part 2-13 : glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	X			
	EAD 040083-00-0404	Etics systems : ash contents				x	
	ISO	ISO 9705 -1	Full-scale room tests for surface products.	X			x
	ISO 11925-2	Determination of reaction to fire of construction products during direct exposure to flames – testing using a single flame source	x	x	x	x	
	ISO 13784-1	Reaction to fire tests for sandwich panel building systems - Part 1 : small room test	x			x	
	ISO 24473	Fire tests - Open calorimetry - Measurement of the rate of production of heat and combustion products for fires of up to 40 MW	(x)				
	ISO 16405	Room Corner and open calorimeter - Guidance on sampling and measurement of effluent gas production using FTIR technique	(x)				
	EN ISO 4589-2	Plastics, Determination of burning behaviour by oxygen index, Part 2: Ambient-temperature test	x				
	ISO 5658-2	Reaction to fire tests, Spread of flame, Part 2: Lateral spread on building and transport products in vertical configuration	x				
	ISO 5659-2	Plastics, Smoke generation, Part 2: Determination of optical density by a single-chamber test	x				
	ISO 5660-1	Heat release, smoke production and mass loss rate -- Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement)	x	(x)		x	
	ISO 19702	Guidance for sampling and analysis of toxic gases and vapours in fire effluents using Fourier transform infrared (FTIR) spectroscopy	x				
	ISO TS 19021	Test method for determination of gas concentrations in ISO 5659-2 using Fourier transform infrared spectroscopy	x				
	ISO TS 21397	FTIR analysis of fire effluents in cone calorimeter tests	x				
	ISO 1182	Non combustibility test	x		x	x	
	ISO 1716	Determination of gross heat of combustion	x	x	x	x	
	ISO 9239-1	Reaction to fire of floor covering - using heat radiation source		x			
	ISO 1887	Textiles glass. Determination of combustible-matter content.	x				
	ISO 3795 - FMVSS302	Road vehicles and tractors and machinery - determination of burning behaviour of interior materials			x		
	EN -IEC	IEC 60076-11	Determination of Fire behaviour F1 class transformer (§ 14.4.6)		x		
		IEC 60332-3-21	Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R	x		x	
		IEC 60332-3-22	Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A	x		x	
		IEC 60332-3-23	Tests on electric and optical fibre cables under fire conditions -- Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B	x		x	
		IEC 60332-3-24	Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C	x		x	
		IEC 60332-3-25	Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D	x		x	
		IEC 60332-3-26	Tests on electric and optical fibre cables under fire conditions - Part 3-26: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A			x	
	French	NF P 92-501	Safety against fire - Building materials - Reaction to fire tests - Radiation test used for rigid materials, or for materials on rigid substrates (flooring and finishes) of all thicknesses, and for flexible materials thicker than 5 mm	x			
		NF P 92-503	Electrical burner test used for flexible materials	x			
		NF P 92-504	Flame persistence test and speed of the spread of flame	x			
	NF P 92-505	Test used for thermal melting materials. Dropping test	x				
German	DIN 75200	Determination of burning behaviour of interior materials in motor vehicles			x		
	DIN 51900-2	Determination of calorific value by comb calorimeter			x		
British	BS 5852	Upholstered furniture: Assessment of combustibility, method 1 and 3		x			
	ASTM E136	Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 °C			x		
	ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials			x		

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	US	NFPA 255	Standard Test Method for Surface Burning Characteristics of Building Materials			x	
		UL 723	Standard Test Method for Surface Burning Characteristics of Building Materials			x	
		NFPA 262	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces			x	
	CANADA	ULC 102	Standard Method Of Test For Surface Burning Characteristics Of Building Materials And Assemblies			x	
		ULC 102.2	Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies			x	
Others	UIC 564-2	Regulations relating to fire protection and fighting measures in passengers carrying railways vehicles	(x)		x		
Fire resistance : general requirements	EN	EN 1363-1 and -2	Determination of fire resistance: Construction products	x	x	x	x
	ISO	ISO 834-1	Fire resistance- elements of building construction - part 1 : general requirements			x	
	British	BS 476-20	Principles	x		x	x
		UL 263	Standards for fire tests of building construction and materials			x	
	US	NFPA 251	Standards for test of fire resistance of building construction and materials			x	
Russian	GOST 30247-1	Elements of building structure - fire resistance test methods- general requirements			x		
Fire resistance : construction elements (2)	EN	EN 1364-1	Determination of fire resistance Non-load-bearing elements: partition walls, glazed partitions	x	x	x	x
		EN 1364-2	Determination of fire resistance Non-load-bearing elements: ceiling	x	x	x	x
		EN 1364-3	Determination of fire resistance Non-load-bearing elements: curtain walls (assembly)	x	x	x	x
		EN 1364-4	Determination of fire resistance Non-load-bearing elements: curtain walls - configuration part	x		x	x
		EN 1364-5	Fire resistance tests for nonloadbearing elements: Air transfer grilles	x	x	x	
		EN 1365-1	Determination of fire resistance Load-bearing elements: partition walls	x	x	x	x
		EN 1365-2	Determination of fire resistance Load-bearing elements: floors and roofs	x	x	x	x
		EN 1365-3	Determination of fire resistance Load-bearing elements: floors and roofs	x		x	x
		EN 1365-4	Determination of fire resistance Load-bearing elements: columns	x		x	
		EN 1365-5	Determination of fire resistance Load-bearing elements: Balconies and walkways	x			
		EN 1365-6	Determination of fire resistance Load-bearing elements: Stairs	x			
		EN 1366-1	Determination of fire resistance Systems: ventilation ducts	x		x	
		EN 1366-2	Determination of fire resistance Systems: fire dampers	x	x	x	
		EN 1366-3	Determination of fire resistance Systems: penetration seals	x	x	x	x
		EN 1366-4	Determination of fire resistance Systems: joints	x	x	x	x
		EN 1366-5	Determination of fire resistance Systems: services ducts and shaft	x		x	
		EN 1366-6	Determination of fire resistance Systems: hollow floors	x		x	
		EN 1366-7	Determination of fire resistance Systems: conveyor systems and their closure	x			
		EN 1366-8	Determination of fire resistance Systems: smoke extraction ducts	x		x	
		EN 1366-9	Determination of fire resistance Systems: single compartment smoke extraction ducts	x		x	
	EN 1366-10	Determination of fire resistance Systems: smoke control dampers	x		x		
	EN 1366-11	Determination of fire resistance Systems: fire protective system for cables	x				
	EN 1366-12	Determination of fire resistance Systems: non mechanical fire barrier for ventilation ducts	x		x		
	EN 1366-13	Determination of fire resistance Systems: Chimneys	x				
	EN 1634-1	Determination of fire resistance Door and hatch constructions: fire doors and hatches	x	x	x	x	
	EN 1634-2	Determination of fire resistance Door and hatch constructions: element of building hardware	x		x		
	EN 1634-3	Determination of smoke resistance: Door and hatch constructions: fire doors and hatches	x	x	x		
	EN 14135	Covering	x		x	x	
	EN 81-58	Safety rules for the construction and installation kits : part 58 lift landing doors	x		x		
	EN 50577	Electrical cables : fire resistance of unprotected cables (P class)	x		x		
	EN 14470-1	Safety storage cabinets part 1 flammable liquids	x		x		
	EN 14470-2	Safety storage cabinets part 2 cabinets for pressurized cylinders			x		
	EN 15659	Secure storage units : fire resistance of light fire storage units			x		
	EN 1751	Aerodynamic tests for dampers and valves			x		
	EN ISO 10497	Testing of valves - Fire type-testing requirements			x		
	British	BS 476-22 Clause 5	Partitions	x		x	x
		BS 476-22 Clause 6	Fully insulated door sets and shutter assemblies.	x		x	x
		BS 476-22 Clause 7	Partially insulated door sets and shutter assemblies.	x		x	x
		BS 476-22 Clause 8	Uninsulated door sets and shutter assemblies.	x		x	x
		BS 476-22 Clause 10	Glazed elements.	x		x	x
		BS 476-21 clause 5	Determination of fire resistance Load-bearing elements: beams	x		x	x
		BS 476-21 clause 8	Determination of fire resistance Load-bearing elements: partition walls	x		x	x
		BS 476-24	Ventilation ducts	x		x	
BS 476-31	Determination of smoke resistance: Door and hatch constructions: fire doors and hatches			x			
German	DIN 4102-12	Fire resistance of electric cable systems required to maintain circuit integrity - Requirements and testing			x		
US	UL 10B and UL 10C	Fire tests of door assemblies	x		x		
	UL 10D	Fire tests of fire-protective curtain assemblies			x		
	UL 9	Fire tests of window assemblies			x		
	UL 1479	Penetration fire stop	x		x		
	UL 2079	Building joint systems	x		x		
	NFPA 252	Fire tests of door assemblies	x		x		
	NFPA 502 / RWS procedure	Fire protection of tunnel structure - RWS Efectis procedure		x			
	ASTM E 199	Building construction and materials : non load bearing walls			x		
	ASTM E 2226	Standard practice for application of hors stream	x		x		
UL 1784	Determination of smoke resistance: Smoke Door Assemblies and Other Opening Protectives			x			

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		UL 555	Fire Endurance and Hose Stream Tests for Fire Dampers			x		
		UL 555S	Cycling, Leakage and Fire Endurance Tests for Smoke Dampers			x		
		UL 555C	Closing Reliability and Fire Endurance Tests for Ceiling Dampers			x		
		API 607	Testing of valves - Fire type-testing requirements			x		
		AS 1530.4	Unloaded vertical separating elements	x				
	Chinese	GB/T 7633	Doors and assemblies	x				
		GB/T 9978.5	Vvertical separating elements	x				
		GB/T 9978.8	Horizontal separating elements	x				
	Brazilian	NBR 5628	Floors and roofs	x				
	Dutch	NEN 6069	Fire resistance of elements		x			
		RWS test procedure	Fire protection of tunnel structure		x			
	Russian	GOST R 53307	Fire doors and gates	x				
Spanish	GuiaRSCIElv2_AnexoB	Firewall (Spanish protocol)	x					
Structural protection	EN	EN 13381-1	Fire resistance Horizontal protective membranes.	x		x	x	
		EN 13381-2	Fire resistance Vertical protective membranes.	x		x	x	
		EN 13381-3	Fire resistance Applied protection to concrete members.	x		x	x	
		EN 13381-4	Fire resistance Applied protection to steel members.	x	x	x	x	
		EN 13381-5	Fire resistance Applied protection to concrete/composite members.	x		x	x	
		EN 13381-6	Fire resistance Applied protection to concrete filled hollow steel columns.	x			x	
		EN 13381-7	Fire resistance Applied protection to timber members.	x		x	x	
		EN 13381-8	Fire resistance Applied reactive protection to steel members.	x	x	x	x	
		EN 13381-9	Fire resistance Applied protection to steel beams with web openings.	x			x	
		ETAG-018 -2 and -3	Coatings and kits : insulation efficiency	x				
		EAD 350402-00-1106	Reactive coating for steel members	x		x		
		EAD 350140-00-1106	Tenderings and kits for fire resisting application	x				
	EGOLF A5	Method for measuring bonding properties of fire protection materials	x					
	EGOLF EGA032	Method for the measurement of bonding properties of fire protection materials applied to steel, concrete and steel / concrete composite structures	x					
	ISO	ISO 22899-1	Resistance to jet fires of passive fire protection materials	x				
	French	DTU 92-701	Fire resistance of concrete structure	x				
		DTU 92-702	Fire resistance of steel structure	x				
		decree 03/08/99 + CETU guide for road tunnel	Ceilings - walls - shutters - loadbearing elements	x				
		decree 22/03/04	Ceiling - suspended ceilings - dampers and tunnels	x				
decree 22/03/04		Ducts - penetration seals	x					
Australian	AS 1530.4	Loaded vertical separating elements	x		x			
US	ASTM E119	Building construction and materials : load bearing walls and floors	x		x			
	UL 1709	Rapid rise fire tests for protection materials of structural steel	x		x			
Smoke	EN	EN 12101-1	Smoke and heat control systems -Part 1: smoke curtain	x		x	x	
		EN 12101-2	Smoke and heat control systems -Part 2: Specification for natural ventilators	x	x	x	x	
		EN 12101-3	Smoke and heat control systems -Part 3: powered smoke and heat ventilators	x		x		
	French	decree 22/03/04	Ducts - dampers - smoke dampers	x				
		decree 03/08/99	Fans - natural ventilators - smoke barriers - mechanical ventilation	x				
	protocol C4	Double flow box	x					
Secure storage units	EN	EN 1047-1:2005	Data cabinets and diskette inserts	x				
Facades	British	BS8414-1	Fire performance of external cladding systems. Test method for non-loadbearing external cladding systems applied to the masonry face of a building.	x			x	
		BS8414-2	Fire performance of external cladding systems. Test method for non-loadbearing external cladding systems fixed to and supported by a structural steel frame.	x			x	
	French	LEPIR2	Test protocol 2024	(x)				
	ISO	ISO 13785-2	Tests for facades. Large scale test.	(x)				
		ISO 13785-1	Tests for facades. Intermediate scale test.	x			x	
Roofs	EN	NPRCEN TS1187	Determination of fire hazard of roofs- test 1		x			
		NPRCEN TS1187	Determination of fire hazard of roofs- test 3	x				
		NPRCEN TS1187	Determination of fire hazard of roofs- test 4				x	
Classification	EN	EN 13501- 1	Fire classification of construction products and components	(accreditation not possible in France)	x	x	x	
		EN 13501- 2	Fire classification of construction products and components	(accreditation not possible in France)	x	x	x	
		EN 13501- 3	Fire classification of construction products and components	(accreditation not possible in France)	x	x		
		EN 13501- 4	Fire classification of construction products and components	(accreditation not possible in France)			x	x
		EN 13501- 5	Fire classification of construction products and components	(accreditation not possible in France)	x			
		EN 13501- 6	Fire classification of construction products and components	(accreditation not possible in France)			x	

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	French	NF P 92-507 Decree 21/11/2002 annex B	M-classification	(accreditation not possible in France)			
	British	BS 476-8	Fire classification of construction products and components	(accreditation not possible in France)			x
		BR 135	Fire performance of external thermal insulation for walls of multi-storey buildings	(accreditation not possible in France)			x
Extended application	EN	EN 15725	Extended application of construction products and components		x		
		prEN 15254-1	Extended application of results from fire resistance tests - Non-loadbearing walls		x		
		EN 15254-2	Extended application of results from fire resistance tests - Non-loadbearing walls: Masonry and gypsum		x		
		EN 15254-3	Extended application of results from fire resistance tests - Non-loadbearing walls: Lightweight partitions		x		
		EN 15254-4	Extended application of results from fire resistance tests - Non-loadbearing walls: Glazed constructions		x		
		EN15254-5	Extended application of results from fire resistance tests - Non-loadbearing walls: Metal sandwich panels		x		
		EN15254-6	Extended application of results from fire resistance tests - Non-loadbearing walls: Curtain walls		x		
		EN 15254-7	Extended application of results from fire resistance tests - Non-loadbearing ceilings: Metal sandwich panels		x		
		EN 15080-12	Extended application of results from fire resistance tests: Loadbearing masonry walls		x		
		EN 15882-2	Extended application of results from fire resistance tests for service installations: Fire Dampers		x		
		EN 15882-3	Extended application of results from fire resistance tests for service installations: Penetration seals		x		
		EN 15882-4	Extended application of results from fire resistance tests for service installations: Linear joint seals		x		
		EN 15882-5	Extended application of results from fire resistance tests for service installations: Combined penetration seals		x		
		EN 15269-1	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware		x		
		EN 15269-2	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: hinged and pivoted steel doorsets		x		
		EN 15269-3	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: hinged and pivoted timber doorsets and openable timber framed windows		x		
		prEN 15269-4	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: hinged and pivoted glass doorsets		x		
		EN 15269-5	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: hinged and pivoted metal framed glazed doorsets and openable windows		x		
		prEN 15269-6	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: sliding timber doorsets		x		
		EN 15269-7	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: steel sliding doorsets		x		
		EN 15269-10	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: steel rolling shutter assemblies		x		
EN 15269-11	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: operable fabric curtains		x				
EN 15269-20	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware: Smoke control for doors, shutters, operable fabric curtains and openable windows		x				
Marine - IMO FTPC - Resolution MSC.307(88) - 2010	IMO	Part 1	Non combustibility test	x		x	
		Part 2	Linings (Opacity and toxicity)	x			
		Part 3	Ceilings	x			x
		Part 3	Bulkheads and decks	x	x	x	
		Part 4	Doors	x			
		Part 5	Linings (flame spread)	x			
		Part 10	Fire restricting materials (for HSC)	x			x
		Part 11	Fire resistant divisions (for HSC)	x	x		
		IMO A763(18)	Plastic pipes	(x)			
		IMO MSC. Circ 1006	Cone	x			x
		Railways	EN	EN 45545-2	R2F	x	
EN 45545-3	RF			x			
		ENGSIN 110334 B	Seals	x			
		ENGSIN 040475 D	Penetration seals resistant to fire and watertight	x			
		ENGSIN 040475 E	Penetration seals resistant to fire and watertight	x			

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Nuclear	EDF	D305916005301-B	Penetration seals resistant to fire and watertight	x			
		D305914022135-B	Protection boxes for electromechanical devices	x			
		ENGSIN 040476 A	Protection boxes for electromechanical devices	x			
		ENGSIN 040526 A	Protective systems for cable trays	x			
		D305916004158-B	PROVISIONAL penetration seals resistant to fire	x			
		D305914012753 B	Protective systems for cable trays	x			
		HN 18-S-01	Penetration seals resistant to fire	x			
Fire suppression	French	RT SYSEXTINC NV 01.2	Performance of fire hoses	x			

- (1) Efectis France is accredited according to FLEX 2 level that allows self - declaration of standards when the standard includes all the accredited technical competences. The (x) standards can be added when necessary
- (2) Efectis has got a total of 13 fire resistance furnaces from 1m³ to 150 m³
- (3) Efectis is able to perform many others ad hoc tests from small scale with additional measurements (FTIR, RHR,...) or large scale tests (in and out doors)