Summary of Legislative Incentives for Fire Sprinklers in New Buildings+

Construction Alternatives are in red

	Major airports sprinklered?	Places of assembly	Shopping Centres	Industry	Warehouses	Hotels	Care Homes	Hospitals	Teaching Establishments	Residential Accommodation	Offices	Car Parks
Austria	No	•	>1,800m ² across 3 or more storeys; >3,000m ²	>5,000m ² or add fire resistance	Depends on height and stored goods but generally require sprinklers >1800m ²	>32m >22m reduced fire resistance		>32m >22m reduced fire resistance		>32m high >22m reduced fire resistance	>32m high >22m reduced fire resistance	>1,600m ² with natural ventilation instead of fire detection or to reduce air changes by 75% with mechanical ventilation; >4800m ²
Belgium	Yes	>3,500m ² >2,500m ² if Floor >10m	>2,000m ²	>25,000m ² and < 350 MJ/m ² >10,000m ² and > 350 MJ/m ² >5,000m ² and > 900 MJ/m ²	>5,000m ²	>3,500m ² >2,500m ² if >10m		>3,500m ² >2,500m ² & >10m				Automatic enclosed with LPG vehicles
Czech Republic	No	Exhibition halls with compartment > 5,000m ²	>1,000m²	>20m³ of flammable liquids	Postal stores >800m ² >50m ³ of flammable liquids	>30m				>8 storeys; >4 storeys & >50 apartments semi-combustible structure & >5 storeys & >30 apartments combustible structure & >3 storeys & >20 apartments		Automatic underground; From 2nd underground floor if >50 vehicles; Capacity >200 vehicles & below assembly buildings
Denmark	Yes	>2,000m ² >1,000 m ² without smoke	>2,000m ² >1,000 m ² without smoke	>2,000m ² and >200MJ/m ² >5,000m ² other fire load	>2,000m ² and >200MJ/m ² >5,000m ² other fire load		>1,000m² sleeping area multi-floor	>1,000m ² sleeping area multi-floor			Alternative to fire alarm if compartment >2,000m ²	>2,000m ² except residential
Finland	Yes	Unlimited compartment or halve fire rating and 25% smoke exhaust	Unlimited compartment or halve fire rating and 25% smoke exhaust	Unlimited compartment or halve fire rating and 25% smoke exhaust	>2000m ² in structure without	Unlimited comp't / 50% rating + 25% smoke exhaust.	Usually required in new and existing care homes following risk assessment			Timber-framed apartment buildings 3-8 storeys	Unlimited comp'mnt or 50% fire rating + 25% smoke exhaust. Timber-framed 3-8 storeys	Underground >3,000 m ²
France	No		>3,000m ² or with restaurant or >10,000kg paint Can increase storage of dangerous goods from 1,000m ³ to 2,000m ³		>3000m² and less than 12000m² >12000m² with risk assessment and approval from Prefect	>200m or >480 MJ/m²					>200m or >480 MJ/m ²	>5 underground storeys and only from 6th level Optional to detection if 3-5 underground storeys and only from 3rd level
Germany	Yes	>3,600m ^{2*} total with rooms >400m ² or >22m high or below ground	>3000m² or underground floors >500m² 60 minutes less fire resistance for walls and ceilings; no need for smoke extraction; can increase travel distance by 35m	Increase compartment area 3-10 times depending on fire resistance and number of storeys 1,800m² to 10,000m²; single storey 3,000m² to 10,000m²; single storey with 30' fire resistance	>1,200m ² Storage > 7.5m high fire load >15kWh/m ² & >400m ² fire load >45kWh/m ² & <400m ²	>3,600m ² * total with rooms >400m ² or >22m high	ı		>22m high or >32m high with balconies to prevent external fire spread and rooms <400m ²	>22m high or >32m high with balconies to prevent external fire spread and rooms <400m ²	>22m high or >32m high with balconies to prevent external fire spread and rooms <400m ²	Floors 4m below ground Car parks under other use buildings
Greece		>50 people and >23m	>1,000m² per storey Total area >2,500m² basement >250m²	>2,000 MJ/m² or >1,000 MJ/m² and >2,000m²	>2,000 MJ/m² or >1,000 MJ/m² and >2,000m²	>28m	>100 beds >12m	>100 beds >12m	Basements >250m² Boiler rooms	>28m	>20m and >400 people	Underground and >300m ² or multi-storey
Hungary		Cinemas> 13.65m or >1,000 people	>8,000m ² >13.65m height		>3,000m2 and >6m high and >1,500 MJ/m²	>13.65m	>3 storeys	If beds >13.65m	>30m	>13.65m	>30m	Multi-floor underground; >13.65m height closed; >20 cars per compartment
Ireland	No		Single storey >4000m ² All shopping centres		Single storey 14,000m ² normal and >1,000m ² high hazard	>30m and phased evacuation					>30m and phased evacuation	
Italy	No	>16,000 m ² Longer travel distances and narrower escape routes	>16,000 m ² Longer travel distances and narrower escape routes	>32,000 m ² Longer travel distances and narrower escape routes	>16,000 m² Longer travel distances and narrower escape routes	>1,000 beds >8,000 m ² Longer travel distance, narrower escape route	>8,000 m ² Longer travel distance, narrower escape route	>8,000 m ² Longer travel, narrower escape route	Basements with fire loading >30 kg/m ²		Archives >200m ² or >60kg/m ² fire load	Multi-floor underground Above ground: '-4 floors closed '-5 floors open Automatic car parks
Lithuania	Yes	>5000 people	>1,500m²	>2,000m² if combustible goods stored	>2,000m ² or > 5.5m storage height	>26.5m	≥ 42 m or >5000 people	≥ 42 m or >5000 people	≥ 42 m or >5000 people	> 75m	≥ 42 m	Underground & >25cars Above ground >7m Automatic car parks
			>3,000m ² or								>225MJ/m ²	

Summary of Legislative Incentives for Fire Sprinklers in New Buildings+

Construction Alternatives are in red

	Major airports sprinklered?	Places of assembly	Shopping Centres	Industry	Warehouses	Hotels	Care Homes	Hospitals	Teaching Establishments	Residential Accommodation	Offices	Car Parks
Luxemburg			>3 storeys and >1,000m ² Single storey no need for 90' structural fire resistance No need for 60' separation between units in centre			>60m high Closed car parks with >20 cars Double compartm'n to 1,600m ²	onto corridors			>60m high Youth accommodation >3 storeys with rubbish stored in building		Closed or underground with >50 cars Increase travel distance 30m to 40m if >20 cars
Netherlands	Yes		Firework sales or storage >1000m ² fire compartment	>1000m ² fire compartment >10,000 kg dangerous goods	Firework storage >1000m² fire compartment >10,000 kg dangerous goods	>70m high				>70m high Reduce fire resistance from 30 to 60 minutes or increase travel distance and compartment size or fit fewer hydrants	>70m high	If >1,000m ²
Norway	Yes	>1800m ² one floor	>1,200m ² multi-floor	>800m² unless unusually low fire load	>800m² unless unusually low fire load	All new hotels	All new care homes	All new hospitals		All new dwellings with more than two storeys	Compartment >1800m ²	>1800m ² one floor
Poland		>600 people or sports stadia >3000 people	>10,000m ² one floor >2,500m ² multi-floor			>55m high				>55m high	>55m high	Underground & >100 cars
Portugal	No	>28m high >1,000 people >15,000m²	>28m high >1,000 people >2 storeys			>9m high >100 people >50 sleeping guests	S				>28m high >1,000 people	>9m, >3,200m ² >1 underground storey
Slovak Republic		Exhibition halls with compartment > 5,000m2	>2,000m ² one floor >1,000m ² multi-floor		Yes, depending on many factors	>300 guests	>800 patients	>800 patients		>500 residents		_
Spain	Yes	Increase travel distance 25%	Compartment >1500m ² and fire load >500 MJ/m ² Compartment >2500m ² Increase travel distance 25%	>3500m ² & fire load >850 MJ/m ² Max. compartment sizes further reduced if the fire load is higher or the building adjoins other buildings Double compartments and reduce structural fire resistance		Required if top floor >28m Increase travel distance 25%	Required if top floor >28m Increase travel distance 25%	Increase travel distance 25%	Increase travel distance 25%	Top floor >80m	Top floor >80m Increase travel distance 25%	In automatic car parks
Sweden	Yes	Performance-based code	Performance-based code	<800 MJ/m² and >5,000m²	>800 MJ/m ² and >2,500m ²	Performance- based but many hotels sprinklered	All new care homes	All new hospitals	Performance- based code	>16 storey buildings and others for performance	>16 storey buildings and others for performance	Performance-based code
Switzerland		Reduction of 30' in compartment fire resistance	Required in department stores and shopping centres >2,400m ²	Reduction of 30' in compartment fire resistance	Reduction of 30' in compartment fire resistance	·	Reduction of 30' in compartment fire resistance	Reduction of 30' in compartment fire resistance	Reduction of 30' in compartment fire resistance		Atria >11m, or >3 storeys, or forming compartment >3,600m ²	Underground comp'nt: >4,800m² single level >2,400m² multi-level Above ground: >4,800m² closed >9,600m² per level open Automatic car parks with >50 cars
Turkey		Museums, entertainment, eating and drinking places >4,000m ² ; other assembly places >6,000m ²	Multi-storey with area >2,000m² (new); multi- storey with area >3,000m² (existing)	>15,000m ² , or with easily ignitable and flammable materials >6,000m ²		>21.50m (new); or multi-storey with 100 bedrooms (new) or 200 beds (new and existing)	If higher than 30.50m or >1,500m ²	If higher than 30.50m or >1,500m ²	If higher than 30.50m	If higher than 51.50m	If new offices higher than 30.50m and in existing offices higher than 51.50m	Enclosed car parks >600m² (new) or >1,000m2 (existing); or if >10 cars brought in by elevator
United Kingdom	No	If top floor >30m with phased evacuation Multi-storey compartment doubled to 4,000m² Structural fire resistance reduced 30' if height <5m or 18m< height <30m. Scotland entertainment compartment >2,000m²	In England and Wales for compartments >2000m ² Sprinkler store room or separate from retail area. Structural fire resistance reduced 30' if height <5m or 18m< height <30m. Required in all Scottish shopping centres	Double max. area per level in multi-floor building to 14,000m² if <18m high 4,000m² if >18m high. Instead of fire resistance for gallery >10m wide. Structural fire resistance reduced 30' if height <30m.	>20,000m ² or >18m height Double max. volume per level in multi -floor building to 40,000m ³ (<18m ht.) 8,000m ³ (>18m ht.) Structural fire resistance reduced 30' if height <30m.	If top floor >30m with phased evacuation	Scotland, Wales all care homes England if >1 bed in a room; instead of door closers.	England must	Schools: all of Wales; all of Scotland; very common afte risk analysis in England	Wales all housing Scotland in buildings above 18m high England in: ir -buildings above 30m -3 storey house with open plan ground floor -four-storey house without 2nd staircase	If top floor >30m with phased evacuation Reduce structural fire resistance by 30' (5m <height<30m)< td=""><td></td></height<30m)<>	

[†] Turkey has some requirements in existing buildings

^{*} Not places of worship, educational establishments, museums