Summary of Legislative Incentives for Fire Sprinklers in New Buildings+

	Major airports sprinklered?	Places of assembly	Shopping Centres	Industry	Warehouses	Hotels	Care Homes	Hospitals	Teaching Establishments	Residential Accommodation	Offices	Car Parks
Austria	No		>2,400m ² across 3 or more storeys; >3,000m ²	>5,000m ² or >7,500 m ² with fire resistance	>1800m ² or stored goods height > 9m	>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				>2,500 m ² if 7m below ground, >5,000 m ²
Overthe	Yes	As in NFPA 101	As in NFPA 101 or TRVB 138	Depending on the area and number of connected floors	>9m storage; >1,000 m² and >2GJ/m² >3,000 m² and >1 GJ/m²	>800 m ² >300 people Extend two-way travel from 35 m to 55m	30 min less fire I resistance and one	As in NFPA 101 or TRVB 132	If building designed to NFPA 101 rather than Austrian OIB 2.	30 min less fire resistance and one	30 min less fire resistance and one class lower reaction to fire	As for NFPA 88a or OIB 2.2
Croatia		Reduction of 30' in compartment fire resistance and one grade in fire reaction class	Reduction of 30' in compartment fire resistance and one grade in fire reaction class		Alternative to detection and/or smoke ventilation in smaller areas and lower fire loads	Extend one-way travel from 10 m to 15m			30 min less fire resistance and one class lower reaction to fire	class lower reaction to fire		Beneath hotels
Czech Republic	No	Exhibition halls with compartment > 5,000m ²	>1,000m ²	>20m ³ 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 extraction	>2,000m ² >1,000 m ² without smoke extraction	>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		>1,000m ² 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
Estonia	Yes	>2,400 m ²	>2,400 m ²	>6,000 m ² ; >4,000 m ² with fire resistance below 30 minues	>3,000 m ² ; >1,500 m ² with fire resistance below 30 minues	>28 m high or floor >24 m; >1,600 m ² compartment	>four storeys or >800 m ² compartment	>four storeys or >800 m ² compartment	2,400 m ²	>16 storeys or wooden structure 5-8 storeys with reaction to fire below A2-s1,d0	>28 m or floor >24 m or >2,400 m ² compartment	; Underground >6,000 m²; above ground >8,000 m²
Finland	Yes	>2,400 m ²	>2,400 m ²	>2,000 m ² if no structural fire resistance; >4,000 m2 with R30 structural fire resistance	>2,000 m ² if no structural fire resistance; >4,000 m2 with R30 structural fire resistance	>56 m; >28 m with R90 structural fire resistance instead of R120; timber-framed hotels 3-8 storeys	Usually required in new & existing care homes following risk assessment; timber-framed care homes 3-8 storeys	resistance instead of	i	>56 m; >28 m with R90 structural fire resistance instead of R120; timber-framed apartment buildings 3-8 storeys	>56 m; >28 m with R90 structural fire resistance instead of R120; timber-framed offices 3-8 storeys	Underground >1,500 m²; above ground enclosed >3,000 m²; above ground open 4,500 m²
France	No		>3,000m ² or with restaurant or >10,000kg paint Can increase storage of dangerous goods from 1,000 m ³ to 2,000 m ³		>3,000m² and less than 12,000m² >12,000m² with risk assessment and approval from Prefect	>200m or >480 MJ/m²					>200m or >480 MJ/m²	R90 instead of R120 structural fire resistance R60 if no building above Reduce smoke ventilation by a third >3,000 m² per floor >2 underground levels
Germany	Yes	>3,600m ^{2*} total with rooms >400m ² or >22m high or below ground	>3000m² or underground floors >500m² 6 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 require 5m aisle >4,500 m ² Storage > 7.5m high	>3,600m ^{2*} total with rooms >400m ² or >22m high			>22m high or >60m high with balconies to prevent external fire spread and rooms <200m ²	>60m high	>22m high or >60m high with balconies to prevent external fire spread and rooms <200m ²	>1,000 m² under other use buildings
Greece		>50 people and >23m	>1,000m ² per storey Total area >2,500m ² basement >250m ²	>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 >250m ² 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		>7,000m2	>14m	>3 storeys	If beds >13.65m	>30m	>13.65m	>30m	Multi-floor underground; >13.65m height closed; >20 cars per compartment

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Ireland	No	> 30 m	Single storey >2,000m ² All shopping centres		Single storey 1,000m ² > one storey 500m ²		Multi-storey	> 30 m		Apartment buildings > 15 m, timber-framed houses >3 storeys; open-plan apartments; double corridor travel distance to 15 m in single stair apartment buildings	>30m	>30 m
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 m ² 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	333333	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	>2,000m ² 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
Luxemburg			>3,000m ² or >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 compartment to 1,600m ²	If living areas open 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 >1,000m ² fire compartment	>1000m² fire compartment : >10,000 kg dangerous goods	Firework storage >2,500m² 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 and below a sleeping risk
Norway	Yes	>1800m ² one floor	>1,200m ² multi-floor	>800m² unless unusually low fire load	>800m ² 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	>1800m² 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 >15,000m ²	>28m high >1,000 people >2 storeys			>28m high >500 people >200 sleeping quests					>28m high >1,000 people	>9m, >3,200m ² >1 underground storey
Romania	Yes	>28 m high Disco >1,000 m ²	>1,500 m ² & >840 MJ/m ²	>2,000 m ² & >420 MJ/m ²	>600 m ² & >840 MJ/m ²	>28 m		>28 m			>28 m	Underground with >11 cars except residential lower than 28 m, or >2 underground floors including residential; enclosed above ground with >50 cars or >3 floors or in an assembly building
Serbia	Yes	>1,500 m ²	>2,000 m ²	Typically >1,500 m², depending on many factors	Flammable goods	>30m		All new hospitals		>30m	>30m	Enclosed if >1,500 m ²
Slovak Republic		Exhibition halls with compartment > 5,000m ²	>2,000m ² one floor >1,000m ² multi-floor		Yes, depending on many factors	>300 guests	>800 patients	>800 patients		>500 residents		
Slovenia		>3,600 m ²	>3,600 m ²	>10,000 m ² & <300 MJ/m ² >5,000 m ² & <1,000 MJ/m ² >2,000 m ² & >1,000 MJ/m ²	>10,000 m ² & <300 MJ/m ² >5,000 m ² & <1,000 MJ/m ² >2,000 m ² & >1,000 MJ/m ²	>22 m	>two storeys or >1,000 m ²	>two storeys or >1,000 m ²	>32m	>32 m	>22 m	Automatic & >50 cars
Spain	Yes	Increase travel distance 25%	Compartment >1,500m ² and fire load >500 MJ/m ² Compartment >2,500m ² Increase travel distance 25%	>6,000m ² & >425 MJ/m ² Max. compartment sizes further reduced with higher fire loads or the building adjoins other buildings Double compartments and reduce structural fire resistance	>2,000m ² & fire load >850 MJ/m Maximum compartment sizes further reduced if the fire load is higher or the building adjoins other buildings	top floor	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

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Sweden	Yes	Performance-based code	Performance-based code	>5,000m ²	>2,500m ² and >800 MJ/m ² >5,000 m 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 for multi-storey buildings	Frequently required if storage is higher than 7.5 m	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: >4,800m' single level >2,400m' 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 >4,000m²; other assembly places >6,000m²	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	>5,000m ² , or with easily ignitable and flammable materials >1,000m 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		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 4,000m ² Structural fire resistance reduced 30' if height <5m or 18m< height <30m. Scotland entertainment compartment >2,000m ²	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.	>20,000m² or >18m height Double max. volume per level in multi -floor building to 40,000m³ (<18m ht.) 8,000m³ (>18m ht.) 30' less structural fire resistance Scotland >14,000 m²	If top floor >30m with phased evacuation	Required in all care homes	England must consider sprinklers	Schools: all of Wales; all of Scotland; very common after risk analysis in England	Wales all housing Scotland apartments, all social housing England in: -buildings above 11m -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