Summary of Legislative Incentives for Fire Sprinklers in New Buildings+

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|-----------|-------------|-----------|--------|
| | | | |

| | Major airports sprinklered? | Places of assembly | Shopping Centres | Industry | Warehouses | Hotels | Care Homes | Hospitals | Teaching Establishments | Residential Accommodation | Offices | Car Parks |
|----------------|--------------------------------|---|---|---|---|--|--|---|---|--|---|---|
| ustria | 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 | | >32m | | >32m high | >32m high | >1,600m ² with natura ventilation instead of fi detection or to reduce air changes by 75% |
| | | | 0,000 | | | resistance | | resistance | | resistance | resistance | with mechanical ventilation; >4800m ² |
| selgium | 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 w LPG vehicles |
| Croatia | | | | | >9m storage; >1,000 m ² and >2GJ/m ² >3,000 m ² and >1 GJ/m ² | >800 m ² >300 people Extend two-way travel | | | | | | |
| Jour | | | | | Alternative to detection and/or smoke ventilation in smaller areas and fire loads | from 35 m to 55m Extend one-way travel from 10 m to 15m | | | | | | Underground noter ca |
| Saash Donuklia | No | Exhibition halls with | · • • • • * | >20m ³ of flammable liquids | Postal stores >800m ² >50m ³ of flammable liquids | >30m | | | | >8 storeys; >4 storeys & >50 apartments semi-combustible | | Automatic undergroun From 2nd undergroun floor if >50 vehicles; |
| Czech Republic | No | compartment > 5,000m ² | >1,000m ² | | | | | | | structure & >5 storeys & >30 apartments combustible structure & >3 storeys & >20 apartments | | Capacity >200 vehicle & below assembly buildings |
| Denmark | Yes | >2,000m ² >1,000 m ² without smoke | >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 |
| Finland | Yes | extraction 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 | >56 m; >28 m with R90 structural fire resistance instead of R120; timber-frame hospitals 3-8 storey | of 2,400 m ² d | >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 m ² ; above ground enclosed >3,000 m ² ; above ground open 4,500 m ² |
| 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 | | >3,000m ² and less than 12,000m ² >12,000m ² with risk assessment and approval from Prefect | >200m or >480 MJ/m ² | | | | , | >200m or >480 MJ/m ² | R90 instead of R120 structural fire resistand R60 if no building abor Reduce smoke ventilation by a third >3,000 m ² per floor >2 underground levels |
| Germany | Yes | >3,600m ²⁺ total with rooms >400m ² or >22m high or below ground | >3000m ² or underground floors >500m ² 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 1,800m ² to 10,000m ² ; single storey 3,000m ² to 10,000m ² ; 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 >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 grou Car parks under othe use buildings |
| Greece | | >50 people and >23m | >1,000m ² per storey Total area >2,500m ² basement >250m ² | >2,000 MJ/m ² or >1,000 MJ/m ² and >2,000m ² | >2,000 MJ/m ² or >1,000 MJ/m ² and >2,000m ² | >28m | >100 beds >12m | >100 beds >12m | Basements >250m ² Boiler rooms | >28m | >20m and >400 people |) Underground and >300m ² or multi-store |
| 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 |
| reland | 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 | |
| taly | No | >16,000 m ² | >16,000 m ² | >32,000 m ² | >16,000 m ² | >1,000 beds >8,000 m ² | >8,000 m ² Longer travel | >8,000 m ² Longer travel, | Basements with fire loading >30 | | Archives >200m ² or >60kg/m ² fire load | Multi-floor underground Above ground: '-4 floors closed |
| - | - | Longer travel distances and narrower escape routes | Longer travel distances and narrower escape routes | Longer travel distances and narrower escape routes | Longer travel distances and narrower escape routes | Longer travel distance, narrower escape route | distance, narrower escape route | narrower escape route | kg/m ² | | | -4 floors closed '-5 floors open Automatic car parks |

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| Lithuania | Yes | >5000 people | >1,500m ² | >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 | Above ground >7m |
| | | | >3,000m ² or | | | | | | | | >225MJ/m ² | Automatic 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 compartment to 1,600m ² | If living areas open onto corridors | | | >60m high Youth accommodation >3 storeys with rubbish stored in building | >60m high Archives >600m ² Double compartment: 1,600m ² one storey 3,200m ² multi-storey | 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 >2,500m ² 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 | lf >1,000m ² |
| Norway | Yes | >1800m ² one floor | >1,200m ² multi-floor | >800m ² 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 | >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 >15,000m ² | >28m high >1,000 people >2 storeys | | | >9m high >100 people >50 sleeping guests | | | | | >28m high >1,000 people | >9m, >3,200m ² >1 underground storey |
| Serbia | Yes | 1500 / 3000 /m ² | 2000 / 4000 /m ² | Yes, depending on many factors 1500 / 3000 /m ² | Required | >30m | | All new hospital | | >30m 1500 / 3000 m ² | >30m | >400m 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 | | |
| 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 agions other buildings Double compartments and reduce structural fire resistance | >2000m ² & fire load >850 MJ/m ² Maximum compartment sizes further reduced if the fire load is higher or the building adjoins other buildings | 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/m ² and >5,000m ² | >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 | Reduction of 30' ir compartment fire resistance | | Atria >11m, or >3 storeys, or forming compartment >3,600m ² | Underground comp'nt: >4,800m ² single level >2,400m ² multi-level Above ground: >4,800m ² closed >9,600m ² 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 >2,000m ² (new); multi- storey with area >3,000m ² (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 | n 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 >600m ² (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 14,000m ² if <18m high 4,000m ² 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 | Scotland, Wales all care homes England if >1 bed in a room; instead of door closers. | England must consider sprinklers | 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: r -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