



Concealed sprinkler heads will be installed in your home



Fire Sprinkler FACTS

- 1.** 1 in 5 adults will experience a fire in their home. Sprinkler systems will significantly reduce the risk to occupiers, minimise heat and smoke damage and reduce repair costs.
- 2.** Fire sprinklers are a very effective and efficient safety device. Over the past 130 years they have had a better than 99% success rate in controlling fires around the world.
- 3.** Sprinklers are widely used – approximately 70 million sprinkler heads are installed worldwide each year.
- 4.** Fire sprinklers will virtually eliminate the risk of a fatality in the event of a fire, reduce injuries by at least 80% and property damage by 90%.
- 5.** Sprinkler activations will automatically notify the fire brigade of a fire and will most likely have it under control before they arrive.
- 6.** Sprinkler systems can improve safety especially for those residents who may be at a disadvantage due to a physical or mental health condition as it will give them some extra crucial time to escape their flat in the event of a fire.
- 7.** Sprinkler heads are very reliable and false activations are estimated to occur around 1 in 16,000,000.
- 8.** Each sprinkler is individually triggered directly by the heat of a fire. Statistically, 85% of fires will be extinguished by only two sprinkler heads reducing building damage. Analysis of some data provided by the Fire and Rescue Service around fires in flats has found that sprinkler systems are likely to reduce injuries in the event of a fire. The severity of injuries tends to be less and the need to receive hospital treatment is reduced.
- 9.** Residents are safer and less likely to be harmed if a flat is protected by a sprinkler system.



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Fire Sprinkler **FACTS**

- 10.** Sprinkler systems use much less water than the fire brigade, due to tackling a fire much quicker than fire brigade hoses. On average, fire fighters take six to seven minutes to arrive, where a sprinkler would have already activated and started to control the fire. In a multi storey building it can take much longer before water is applied to a fire. Sprinklers use between 100 to 1000 times less water compared to a fire brigade hose.
- 11.** Are sprinklers ugly and Intrusive? Sprinkler systems in communal areas and your home will be boxed in at high level with white preformed panelling taking the most suitable route. All sprinkler heads will be concealed with a small plastic disk which is all that can be seen.
- 12.** A study by the National Fire Protection Association has shown that a failure rate for sprinkler activation was 3.8%. The main reason was poor maintenance. Bristol City Council will be ensuring that a robust maintenance programme will be in place.
- 13.** There have been no multiple fire deaths in the UK as a result of a fire in a dwelling with a working sprinkler system.
- 14.** Sprinkler-equipped buildings prevent fire fighter deaths.
- 15.** Sprinklers save lives – and property – and are the only devices which can detect a fire, sound the alarm, call the fire and rescue service and extinguish or control the fire.
- 16.** It is estimated that since the late 1990s, sprinkler systems have saved 35 lives.



Information Sources:

SprinklersSaveLives2019.pdf (twfire.gov.uk); How sprinkler systems can reduce the cost of risk (zurich.co.uk); Efficiency_and_Effectiveness_of_Sprinkler_Systems_in_the_United_Kingdom-Supplementary_Report.pdf (nationalfirechiefs.org.uk); https://www.firesprinklers.org.uk/uploads/other/original/PublicationFile_559554cf873eb.Pdf; www.bafsa.org.uk

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