



Thor Lightning

Call 01782 565797

[www.thorlightning.co.uk](http://www.thorlightning.co.uk)

## Striking Facts About Lightning

- 1 The old saying that lightning never strikes twice is absolute nonsense.
- 2 If lightning strikes a property either directly or secondarily, it has done so because the property and its contents are vulnerable to lightning strike and therefore unless that vulnerability is removed or protected it will strike again and again.
- 3 To fully protect a building from direct lightning, a comprehensive lightning protection system is required combining copper and/or aluminium tapes with an earthing system.
- 4 Tapes are fitted to a building in the form of a "Faraday Cage" and as such can be fitted either on the surface of the building or fitted under the tile or behind surface cladding.
- 5 In modern buildings, where steelwork is utilised either as a structural form encased in brick and tile, or encased in metallic sheeting, the steelwork itself can be utilised as conductors for the system.
- 6 If surface mounted tapes are utilised these can be fitted with colour matching pvc sheathing to blend in with the building materials and therefore become more aesthetically acceptable.
- 7 In addition to the structural damage caused by a lightning strike, secondary lightning strikes can cause serious permanent damage to electronic equipment within a building.
- 8 Lightning can strike the ground up to a kilometre away from a building and travel via underground cables and services and ultimately damage or destroy electronic equipment.

