



*Lightning Risk Assessment
(Calculation of Protection Level - NFC 17-102)*

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Dimensions of the structure

Maximum Length	L	<input type="text"/>	m
Maximum Width	W	<input type="text"/>	m
Maximum Height	H	<input type="text"/>	m
The distance between the lightning rod and the farthest point to be protected from lightning.		<input type="text"/>	m

C3 - Structural Coefficient

Non flammable	<input type="radio"/>	0,5
Flammable	<input type="radio"/>	1
Valuable or partially flammable	<input type="radio"/>	2
High value, highly flammable, explosive	<input type="radio"/>	3

C1 - Environment Coefficient

Surrounded by structures or trees of the same height or higher	<input type="radio"/>	0,25
Surrounded by smaller structures	<input type="radio"/>	0,5
No other structures within a distance equal to the height	<input type="radio"/>	1
Isolated on top of a hill	<input type="radio"/>	2

C4 - Structure Occupancy

Unoccupied	<input type="radio"/>	0,5
Occupied	<input type="radio"/>	1
Difficult evacuation	<input type="radio"/>	3

C2 - Structural Coefficient

Structure / Roof	Metallic	Common	Flammable
Metallic	<input type="radio"/> 0,5	<input type="radio"/> 1	<input type="radio"/> 2
Common	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2,5
Flammable	<input type="radio"/> 2	<input type="radio"/> 2,5	<input type="radio"/> 3

C5 - Lightning Consequences

Service continuity not required	<input type="radio"/>	1
Service continuity required without consequences	<input type="radio"/>	5
Consequences on the environment	<input type="radio"/>	10

Annual Average Thunder Days

Annual Average Thunder Days ([World Map](#))