

Protection against lightning
– Part 3 : Physical damage to structures and life hazard

AMENDMENT NO. 1

December 2020

1. Page 22, 5.2.2

Replace the Paragraph 1 with:

Air-termination components installed on a structure shall be located not more than 100 mm from the corners, exposed points and edges (especially on the upper level of any facades and parapet wall) in accordance with one or more of the following methods.

2. Page 25, 5.2.5

Replace NOTE 2 with:

NOTE 2 – A 1 mm coating of protective paint or 1 mm asphalt or 0.5 mm PVC is not regarded as an insulator. Detailed information is given in E.5.3.4.1 and E.5.3.4.2.

3. Page 40, 8.1

Add the following item after bullet 2 in Paragraph 3:

– for small structures such as trellis, gazebo, pergola, bus stop, training shed and the likes at ground level shall be adopted in accordance with ZB.9.1.

4. Page 40, 8.2

Add the following new note after bullet 2 in Paragraph 3:

NOTE Bonding by lashing for mesh earth-termination system and structural floor slabs are acceptable means of equipotentialization to reduce step voltage to a tolerable level.

5. Page 132, E.5.4.3.6

Replace text of Paragraph 6 with:

The lower part of an exposed down-conductor should be insulated with tubing giving a 100 kV, 1,2/50 μ s impulse withstand voltage.