























**23 o/c7 Equipment on a pontoon in a marina that is subject to impact to level AG2 should have a mechanical protection code of**

- a IPX4
- b IPX8
- c IP55
- d IK08.**

709.512.2.1.4

**24 o/c7 Enclosures used to protect electrical equipment vulnerable to external influences in a horticultural installation shall have a minimum degree of protection of**

- a IP22
- b IP33
- c IP44**
- d IP55.

**Answer c**

See Part 7: Special installations or locations, Regulation 705.512.2.

**25 o/c 7 - In agricultural premises an RCD may be used for protection against fire. The current rating should not exceed:**

- a 30 mA.
- b 100 mA.
- c 300 mA.**
- d 500 mA.

**26 o/c 7 - Which of the following statements regarding Section 740 is incorrect:**

- a RCDs not exceeding 300mA shall be provided at the origin of the installation.
- b The nominal supply voltage shall not exceed 230V/400V a.c.
- c RCDs are not required for circuits protected by electrical separation.
- d RCDs are required to protect socket-outlets rated greater than 32A.**

**27 o/c 7 Where an electric heating element is embedded in the floor of a bathroom it should be:**

- a covered by an earthed metal grid.**
- b buried to a depth not less than 50 mm.
- c double insulated.
- d supplied from an ELV source.

**28 o/c7 Additional protection for all lighting circuits within a sauna shall be provided by**

- a an insulation monitoring device
- b an RCD with a rated residual operating current not exceeding 30mA**
- c barriers and enclosures having a degree of protection of at least IP54
- d ensuring the luminaires have a degree of protection of at least IPX3.

**Answer b** See Part 7: Special installations or locations, Regulation 703.411.3.3.

29 o/c 8 app 8 - For busbar trunking and powertrack systems, where protected against overload current by a BS 88 fuse, which of the following equations is correct:

- a  $I_Z$  less than or equal to  $I_n$ .
- b  $I_n$  less than or equal to  $I_Z$ .
- c  $I_Z$  less than or equal to  $I_b$ .
- d  $I_Z$  greater than or equal to  $I_b$ .**

30 oc8 External influences coded BE are classified as

- a nature of processed or stored materials**
- b conditions of evacuation in an emergency
- c movement of air
- d capability of persons.

App5