SKYSPANSHADE
COMMERCIAL UMBRELLAS AND SHADE STRUCTURES

Sunset

Centre Column Umbrella Installation

Method Statement

Installation

Components

Umbrella (complete)
Dome cap
Winding handle
Foam arm spacer
Umbrella strap

Required Tools

1. Hold down bolt assembly (consisting of 4 x M12 @ 160mm threaded rod, 8 x nuts and washers (all galvanised)
2. Chemset (Ramset 101) - 1 tube per 4 umbrellas with a nozzle per hole
3. Spanners & sockets
4. Torque wrench
5. Hammer drill / 14mm sds plus drill bit
6. Step Ladder (2mtr)
7. White cleaning cloths
8. Bucket with PH Neutral chemical to wipe canopy down
9. Silicone
10. Grout (non shrink)
11. Small vacuum or blower
12. Spirit level

Method

1. Place umbrella or template in desired position. Wind the umbrella up and rotate to the desired position.

2. Mark the footing using a template or through the bolt holes in the base of the umbrella to be drilled for chemical anchors on all umbrellas to be installed.

3. Remove umbrella and drill 14mm holes 110mm deep for chemical anchors as per footing specs.

4. Clean all dust completely from hole using a hole brush and compressed air. As per the Ramset method statement fit mixer nozzle to chemical anchor tube (minimum Ramset 101) and fill the hole to 75% from top with chemical (one hole at a time). Use the template to line up the bolts as you go.

5. Insert M12 threaded rod into the hole while twisting to eliminate air pockets leaving 35mm of rod out of the hole to leave room for the bolt hole cap. Use M12 levelling nuts with washers if the surface is not level. Once done leave bolts to set as per Ramset method statement.

(Keeping in mind of surface fall you may need longer bolts for the levelling of the umbrella).

6. Place umbrella onto levelling nuts in desired orientation.

7. Level umbrella using levelling nuts, once level, place nut and washer onto threaded rod and tension nuts to the correct torque.

8. Check umbrella is level and fit the supplied dome cap.