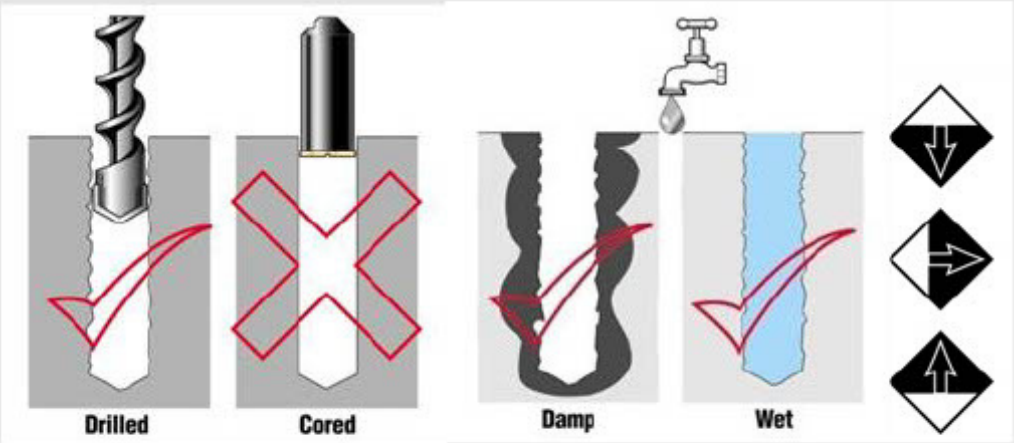
SKYSPANSHADE
COMMERCIAL UMBRELLAS AND SHADE STRUCTURES

Horizon Chemset 101 Installation Guide

Method Statement

INSTALLATION GUIDE

Hole Condition and Orientation



Installation Instructions

1. Drill hole to required diameter and depth with carbide drill bit

2. **ESSENTIAL:** Clean holes with brush and blower

3. Remove debris with hole cleaning pump or compressed air (4 pumps)

4. With a twisting / rotating motion, insert brush to the bottom of the hole and remove (3 brushes)

5. Repeat steps 4 & 5 then finish with 4 pumps of hole blower or compressed air

6. If holes are wet or flooded, clean hole with brush and rinse hole with clean water

7. Unscrew cap on *CHEMSET 101 PLUS* cartridge and fit mixing nozzle (supplied)

8. Load cartridge into applicator (Manual CUAP or Battery CUAR18) and dispense 2-3 trigger pulls of adhesive to waste until a uniform grey colour is achieved.

9. Insert nozzle to bottom of hole and dispense adhesive, withdrawing nozzle gradually without creating air voids.

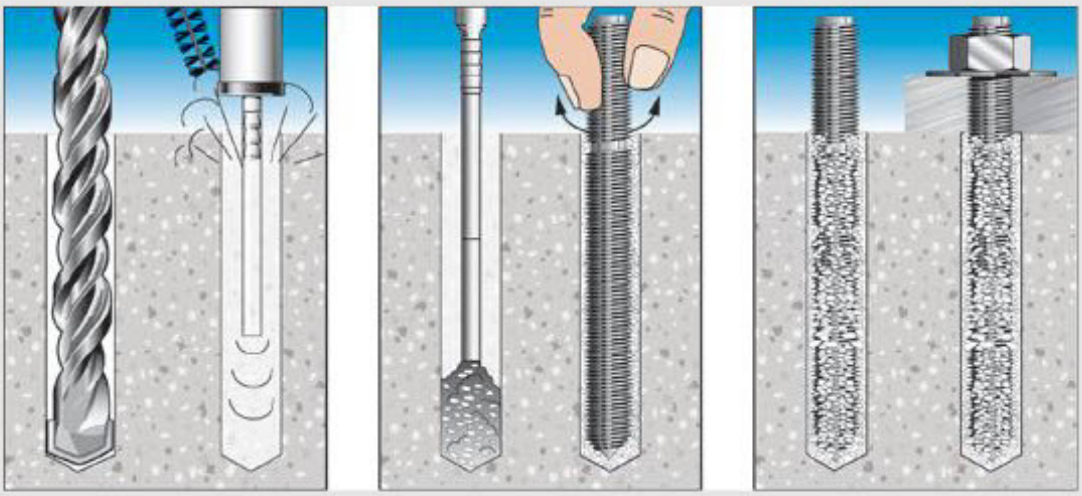
10. When hole is 2/3 to ¾ full, stop dispensing and release catch plate at rear of tool to release pressure

11. Insert threaded stud or rebar by hand using a twisting / rotating motion to release any trapped air

12. Allow adhesive to cure for the time specified in table below

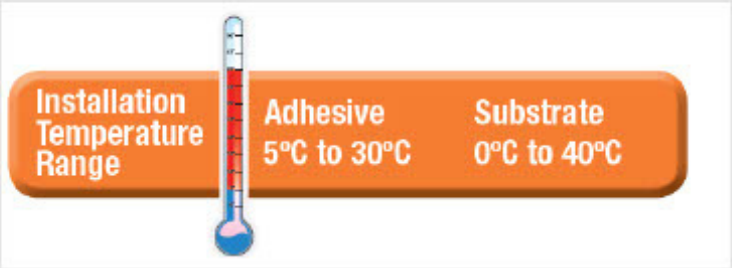
13. When cured, tighten nut and apply torque

Refer to Technical Data Sheet and MSDS available from www.ramset.com.au, for precautions and further detailed installation instructions



Working and Loading Times

Temperature (°C)	Working Time (min)	Cure / Loading Time (min)
30	4	35
25	5	40
20	6	50
10	10	85
5	18	145



Installation Details – Threaded Studs in Solid Materials with *CHEMSET 101 PLUS*

Thread Size	Drill Size d_h (mm)	Hole Depth in Substrate (mm)	Maximum Fixture Thickness (mm)	Maximum Fixture Clearance ● (mm)	Tightening Torque T_r (Nm)	Minimum Edge Distance e_c (mm)	Minimum Anchor Spacing a_c (mm)	Minimum Structural Thickness b_m (mm)
M8	10	80	10	15	10	30	50	100
M10	12	90	12	25	20	40	60	120
M12	14	110	15	30	40	50	70	140
M16	18	220	20	40	95	65	100	160