



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Anchorset Green 300 Data Sheet

Specification notes

Product: **Anchorset Green 300**

Supplier:

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ANCHORSET GREEN 300

Colour	Product Code	Pack Size	Box Qty
Grey	ANCHGREEN	300ML	10

Product Description

ANCHORSET GREEN is a styrene free rapid curing chemical anchoring system designed for high strength fixing of railings, satellite dishes, signs, brackets and other fixtures which carry heavy loads. The unique EASY-FLOW technology of ANCHORSET GREEN means the twin bag system within the cartridge enables the product to be applied using a standard cartridge gun.

Benefits

- Easy mix twin bag system.
- Styrene free low odour.
- Apply using a standard sealant gun.
- Rapid curing system.

Areas For Use

- Fixing wall ties.
- Bolts and screws into a wide range of building substrates.
- Securing machinery into floors.
- Fixing studs and starter bars.

Limitations

- Do not use in non porous substrates i.e. metal, PVC.
- Do not use on wet surfaces.
- As the manufacturer cannot know all the uses its products may be put to, it is the users responsibility to determine suitability for use. If in doubt, contact technical services department for advice.

Surface Preparation

Drill hole to the correct diameter and depth (see chart for guide), ideally using a rotary percussion machine. For optimum results the hole must be coarse sided. If the holes are produced by diamond drilling the surfaces should be thoroughly roughened. Remove all dust and debris from the hole using a hand air pump or a stiff rotary brush. All bars should be clean and free from oil or grease and all flaking rust should be removed. Threaded rod or studs should be chisel-ended to prevent them being unscrewed from the cured resin.

Application

Unscrew the lid and cut off the top of the bag under the metal clamp. Attach the mixing nozzle to the cartridge (*screw down hand tight*). Place cartridge into the dispensing gun. Gradually pressurise the Cartridge by activating the hand trigger a few times until material passes through the mixing nozzle and an even colour is obtained (approximately 5-6 inches of extruded material should be adequate). Once the desired fill is achieved release the pressure by pressing the slide release arm and pulling back the slide rail, wipe off excess material and insert the fixing slowly, with a rotating action, to the desired depth.

Specific Data

Compressive Strength (ASTM D695)		63 N/mm ²	
Tensile Strength (ASTM 638)		< 10 N/mm ²	
Elastic Modulus (ASTM D695)		6300 N/mm ²	
Mixed Density		1.8 g/cm ³	
Mixing Ratio		10:1 by volume as supplied in cartridge	
Temperature		Gel Time	Minimum Loading Time
(°C)	(°F)	(Minutes)	(Minutes)
5	41	15	120
10	50	12	90
15	59	8	60
20	68	6	45
25	77	4	30

Performance data for rods in concrete

ANCHOR SIZE (mm)	HOLE DIAMETER (mm)	HOLE DEPTH (mm)	TENSION (kN) (Ultimate pull out)	Tensile Load (kN)	Shear Load (kN)	FIXINGS PER UNIT (Holes filled 2/3 full) 300ml
8	10	80	14.7	4.9	5.8	68
10	12	90	20.5	6.8	9.2	42
12	14	110	34.6	11.5	13.4	25
16	18	125	47.9	16.0	24.9	13
20	22	170	81.4	27.1	39.2	5

Tension Figures quoted are tested in approximately 20/25 N/mm² concrete

Performance data for rods in hollow structures

Sleeve	ANCHOR SIZE (mm)	DRILL DIAMETER (mm)	DRIL DEPTH (mm)	TORQUE MOMENT (N.m)	Perforated brick fcm: 4.50 MPa Tensile (kN)	Perforated brick fcm: 4.50 MPa Shear (kN)	Hollow block of concrete Fcm:6.0 MPa Tensile (kN)	Hollow block of concrete Fcm:6.0 MPa Shear (kN)
16/85	8	17	90	4	0.4	1.1		
16/85	10	17	90	4	0.4	1.1		
16/85	12	17	90	4	0.4	1.1		
16/130	8	17	135	4			0.7	1.5
16/130	10	17	135	4			0.7	1.5
16/130	12	17	135	4			0.7	1.5

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store in cool dry conditions between + 5°C and 25°C.

Shelf Life

Use within 12 months.

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