

**ANCHORSET GREEN**

Colour	Product Code	Pack Size	Box Qty
Grey	ANCHGREEN	300ML	12
Grey	ANCHGREEN150	150ML	12

**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.

**Approvals**

- ETA according ETAG 001 Part 1 & 5 Option 7 for anchoring of threaded bars into uncracked concrete
- ETA according to ETAG 029 for masonry installations
- Tested according to LEED 2009
- EQ c4.1, SCAQMD rule 1168 (2005)

**Limitations**

- Do not use in non porous substrates i.e. metal, PVC.
- 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

<b>Compressive Strength (ASTM D695)</b>	60 N/mm <sup>2</sup> 24hrs 70 N/mm <sup>2</sup> 7 days @20°C	
<b>Tensile Strength (ASTM D638)</b>	11.5 N/mm <sup>2</sup> 24 hours N/mm <sup>2</sup> 7 days @20°C	
<b>Tensile Modulus (ASTM D638)</b>	6400 N/mm <sup>2</sup> 24 hours 4500 N/mm <sup>2</sup> @20°C	
<b>Mixed Density</b>	1.7 g/cm <sup>3</sup>	
<b>Mixing Ratio</b>	10:1 by volume as supplied in cartridge	
<b>Temperature (°C)</b>	<b>Gel Time (Minutes)</b>	<b>Minimum Loading Time (Minutes)</b>
>5	18	145
5 -10	10	145
10 - 20	6	85
20 - 25	5	50
25 - 30	4	40
>30	4	35

#### Performance data for rods (steel grade 8.8) in concrete

ANCHOR SIZE (mm)	HOLE DIAMETER (mm)	HOLE DEPTH (mm)	Min Concrete member thickness h <sub>min</sub> (mm)	Characteristic Tension load N <sub>Rk</sub> (kN)	Characteristic Shear Load V <sub>Rk</sub> (kN)	FIXINGS PER UNIT 300ml	FIXINGS PER UNIT 150ml
8	10	64	100	29	15	85	42
10	12	80	110	46	23	58	29
12	14	96	126	67	34	38	19
16	18	128	158	126	63	23	11
20	22	160	190	196	98	12	6
24	26	192	222	282	141	8	4

Load Figures quoted are tested in minimum 30 N/mm<sup>2</sup> concrete

#### Health & Safety

Consult MSDS for full list of hazards.

#### **Storage**

Store in cool dry conditions between 5°C and 25°C out of direct sunlight..

#### **Shelf Life**

Use within 12 months of date of manufacture

*The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.*