

ANCHORSET RED

Colour	Product Code	Pack Size	Box Qty
Grey	ANCHRED	300ML	12
Grey	ANCHRED380P	410ML	12

Product Description

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

Benefits

- Robust twin pack or Easy mix twin bag system.
- Rapid curing system.
- Great for concrete, solid or hollow masonry and solid rock

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

- ETAG 001 Part 5 Option 7 for threaded bars (M8-M24) in galvanized steel 5.8-8.8 & 10.9 and Stainless Steel A4-70; A4-80 & HCR (1.4529) in C20/25 to C50/60 uncracked concrete
- Tested according to LEED 2009 EQ c4.1, SCAQMD rule 1168 (2005)

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 300 Twin Bag

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.

Application 380P Twin

1. Attach the mixing nozzle to the cartridge (*screw down hand tight*).
2. Place cartridge into the Anchorset dispensing gun.
3. Open the cartridge by pressing the green end of the colour coded valve. Gradually pressurise the Cartridge by activating the hand trigger a few times until material passes through the mixing nozzle. Stop pressurising and allow the material to flow until an even colour is obtained (approximately 5-6 inches of extruded material should be adequate).
4. Press the red end to close the valve. Insert the nozzle into the base of the hole. Open valve again by pressing the green end and activate the trigger, withdraw the nozzle slowly as the hole fills.
5. Once the required fill is achieved shut off the valve and wipe off excess material. Insert the fixing slowly with a rotating action to the desired depth. Once all applications have been carried out, release the pressure by pressing the slide release arm on the back of the trigger stop and pulling back the slide rail.

NB Once material has started to extrude through the nozzle over pressurising the system will not increase flow rate, and can cause leakage from the rear of the cartridge.

Specific Data

Compressive Strength (ASTM D695)	60 N/mm ²	24 hours at 20°C
Compressive Modulus (ASTM D695)	3300 N/mm ²	24 hours at 20°C
Mixed Density	1.7 g/cm ³	
Mixing Ratio	10:1 by volume as supplied in cartridge	
Temperature (°C)	Gel Time (Minutes)	Minimum Loading Time (Minutes)
5 – 10°C	12	120
10 – 20°C	6	80
20 – 25°C	4	40
25 - 30°C	3	30
30 – 35°C	2	20
35 – 40°C	1.5	15

Performance data for rods (steel grade 8.8) in concrete

ANCHOR SIZE (mm)	HOLE DIAMETER (mm)	HOLE DEPTH (mm)	Tensile Load (kN)	Shear Load (kN)	FIXINGS PER UNIT 300ml	FIXINGS PER UNIT 410ml
8	10	64	29	15	85	118
10	12	80	46	23	58	81
12	14	96	67	34	38	52
16	18	128	126	63	23	32
20	22	160	196	98	12	17
24	26	192	282	141	8	11

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

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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