

ANCHORSET RED 300

| Colour | Product Code | Pack Size | Box Qty |
|--------|--------------|-----------|---------|
| Grey | ANCHRED | 300ML | 10 |

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. 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

- Easy mix twin bag system.
- 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) | | 65 N/mm ² | |
| Compressive Modulus (ASTM D695) | | 6000 N/mm ² | |
| Mixed Density | | 1.7 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 | 22.56 | 4.3 | 5.8 | 68 |
| 10 | 12 | 90 | 29.40 | 6.6 | 9.2 | 42 |
| 12 | 14 | 110 | 31.72 | 10.9 | 13.4 | 25 |
| 16 | 18 | 125 | 72.45 | 14.9 | 24.9 | 13 |
| 20 | 22 | 170 | 78.76 | 25.3 | 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) | DRILL 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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