



CLASSIC ANCHOR GROUT

Polyester Resin Grout

Product:

A high strength, fast setting, fast curing grout of thixotropic consistency. Designed for the grouting and anchoring of steel bars and bolts into concrete, masonry and brickwork where speed of installation and early load bearing capability is required

Description:

Classic Anchor Grout is a two part, pre-measure blend of polyester resins, with selected grade fillers, which, when mixed, offer a high strengths, fast setting, fast curing grout of thixotropic consistency. Designed for the anchoring of steel bars and bolts into concrete, masonry and brickwork.

Advantages:

- Rapid Strength gain
- Vibration Resistant
- Corrosion resistant
- High Strengths
- Extremely Durable
- Weather Resistant
- Can be used in damp conditions

Packing:

Available in 0.5, 1, 2.5 Kg

Uses:

Classic Anchor Grout can be used for a permanent installation of reinforcement, dowelling and started bars, foundation bolts, base plates, handrails, safety fences, wall tiles, railway tracks, tile backs anchors and ground anchors for tower cranes.

Due to its thixotropic nature **Classic Anchor Grout** can be used in vertical, horizontal and overhead situations where the hold diameter exceeds the bar diameter by not less than 4mm and not more than 25 mm.

How to use:

Preparation:

Holes should be formed using rotary percussive drilling techniques. Diamond drilled holes should be scabbled or undreamed. Pre-cast holes should have roughened sides. All dust and drilling debris should be removed. Bars and bolts should be degreased and all rust removed.

Mixing:

Classic Anchor Grout is supplied in pre-weighed two packs. The content of plastic bag should be emptied in metal container and mixed thoroughly to a smooth paste. Once mixed, use it in one operation. Bigger pack can be mixed as required by mixing per volume of the resin component with 2 volumes of the powder.

Installation:

The grout should be injected to the bottom of the holes to avoid entrapment of air. Due to its thixotropic nature, loss of **Classic Anchor Grout** from the hole will be insignificant. **Classic Anchor Grout** is designed for use where the annular gap between the hole and bar is 12 mm or less.

Cleaning:

All equipment should be cleaned, with in pot life of the grout with TOLUENE or XYLENE.

Storage:

Six months, in dry conditions below 30°C in manufacturer's undamaged sealed container, out of direct sunlight.

Typical Characteristics:

Compressive Strength:

24 hours	:	50 N/mm ²
Ultimate	:	85 N/mm ²
Pot Life	:	20 minute at 30°C
Density	:	1920 Kg/m ³

Temperature Range

In application	:	0°C to 40°C
In service	:	-20°C – 60°C

Typical axial pulls out strength in 48N/mm² concrete using steel studding in holed drilled by rotary percussive equipment.

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Hole Diameter (mm)	Embedment Length (mm)	Failure Load Tones
12	75	3.2
14	100	5.3
16	125	7.1

Failures in all cases was in the concrete. Chemical resistant –Cured **Classic Anchor Grout** is resistant to water, oils, petrol and greases and most acids and alkali solutions.

Anchor Design:

The Strength of the cured **Classic Anchor grout** permits the production of anchors capable of high loadings. The ultimate load will be governed by the following factors:

- Strength of Substrate.
- Length of Bond
- Dimensions and Type of Bar.
- Hole Drilling and Preparation.



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