

K5 ANCHORGROUT

HIGH STRENGTH, THIXOTROPIC, POLYESTER GROUT

DESCRIPTION

K 5 ANCHORGROUT is supplied as a two part system, pre-measured blend of polyester resins, with selected graded fillers, which, when mixed, offer a high strength, fast setting, fast curing grout of thixotropic consistency. The mixed grout will harden to give rapid strength gain. Designed for the anchoring of steel bars and bolts into concrete, machinery and brickwork.

USES

K 5 ANCHORGROUT can be used for a permanent installation of reinforcement doweling and starter bars, foundation bolts, base plates, hand rails, safety fences, wall tiles, railway tracks, tie back anchors and grout for tower cranes. Due to its thixotropic nature K 5 ANCHORGROUT can be used in vertical, horizontal and overhead situations where the hole diameter exceeds the bar diameter by not less than 4 mm and not more than 25 mm. Designed for the grouting and anchoring of steel bars and bolts into concrete, stone, machinery and brickwork where speed of installation and early load bearing capacity is required.

ADVANTAGES

- Pre packed easy to use water proofing coating.
- Rapid strength gain
- Vibration resistant
- Corrosion resistant
- High early strength
- Extremely durable
- Weather resistant
- Can be used in damp conditions
- Fast setting and self curing.
- The hardened grout is resistant to chemical attack from many chemicals and petroleum products.

TYPICAL PROPERTIES

COMPRESSIVE STRENGTH : 24 hours - 50 N/mm²; Ultimate - 85 N/mm²; Pot life - 15 minutes at 30^oC; Density - 1.92 gms/cc (Typical axial pull out strength is 48 N/mm² in concrete using mild studding in holes drilled by rotary percussive equipment.)

TEMPERATURE RANGE IN APPLICATION: 0^oC to 40^oC; In service: -20^oC to 60^oC.

Failure in all cases was in the concrete. Chemical resistance-cured K 5 ANCHORGRout is resistant to water, oils, petrol greases and mild acids and alkali solutions. ANCHOR DESIGN: The strength of the cured K 5 ANCHORGRout 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

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

APPLICATION INSTRUCTIONS

PREPARATION: Hole 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: 5 K 5 ANCHORGRout is supplied in preweighed two packs. The content of plastic bag should be emptied in metal container, mixed thoroughly to form a smooth paste. Once mixed two components use it in one operation. Bigger pack can be mixed as required by mixing / volume of the resin component with 2 volumes of the powder.

INSTALLATION: The grout should be injected to the bottom of the hold to avoid entrapment of air. Due to its thixotropic nature, loss of K 5 ANCHORGRout from the hole will be insignificant. K 5 ANCHORGRout is designed for use where the gap between the hole and bar is 12 mm or less. CLEANING: All equipment should be cleaned with solvents.

PACKING:

1 KG.

SHELF LIFE:

6 months storage life when stored in original unopened container at between 5 °C to 45 °C in a dry and shaded place.

HEALTH & SAFETY

K5 ANCHORGRout is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately, do not induce vomiting.

NOTE

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.