



ANCHORGROUT[™]

**HIGH STRENGTH, THIXOTROPIC,
POLYESTER GROUT**

BENEFITS

- 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.
- Ideal product for hole grouting having diameter max 25mm & min. 4mm.

USES

ANCHORGROUT can be used for high strength corrosion resistant, anchoring of bolts and 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 **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.

STANDARD COMPLIANCE

ANCHORGROUT complies to **BS 6319 Part-2,3 : 1985, BS 6319 Part-3 : 1990, BS 2782 Part-2 and BS 6319 Part-2 : 1983.**

DESCRIPTION

ANCHORGROUT is a two part, 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. Designed for the anchoring of steel bars and bolts into concrete, machinery and brickwork where speed of installation and early load bearing capacity is required.

TYPICAL PROPERTIES

Compressive Strength	:	24 hours - 60 N/mm ² Ultimate - 85 N/mm ²
Gel time (Temp in °C)		Gel time (min)
20		40
30		30
40		15

Density - 1.66 gm/cm³ (Typical axial pull out strength is 48 N/mm² in concrete using mild studding in holes drilled by rotary percussive equipment.)

Chemical resistance : The cured **ANCHORGROUT** is resistant to salt water, petrol, oil, grease and most acids, alkalis and solvents.

TEMPERATURE RANGE

In Application : 0 °C to 40 °C

In Service : -20 °C to 60 °C.

Chemical resistance-cured **ANCHORGROUT** is resistant to water, oils, petrol greases and mild acids and alkali solutions.

ANCHOR DESIGN

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.

Bar Diameter mm	Embedment Length mm	Failure Load tonnes
12	100	5.3
14	200	6.4
16	225	7.2

APPLICATION

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 should be removed.

Mixing : **ANCHORGROUT** is supplied in preweighted two packs. The content of plastic bag should be emptied in metal container, mixed thoroughly to form a smooth paste. Once mixed two component use it in one operation.

Installation : The grout should be injected to the bottom of

ANCHORGROUT™



the hole to avoid entrapment of air. Due to its thixotropic nature, loss of **ANCHORGROUT** from the hole will be insignificant.

Cleaning : All equipment should be cleaned with solvents.

PACKING

ANCHORGROUT is supplied in 1 Kg.

SHELF LIFE & STORAGE

ANCHORGROUT will have a shelf life of **3 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 35°C. Material must be kept under shaded area and away from direct sunlight. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

Work in well ventilated areas. Skin contact should be avoided, use gloves, barrier creams, etc. Contaminated skin should be washed with soap and water with solvent. The use of goggles is recommended, but should accidental eye contamination occur, wash thoroughly with plenty of water and seek for medical treatment immediately.

Fire : **ANCHORGROUT** resin is flammable No naked flames allowed. Do not smoke during use.

Flash point : 34 °C.

Fire Resistance To Creep : At operating temperatures above 60°C the creep of **ANCHORGROUT** under load may become significant. Resin anchors should not be used where structural load bearing performance has to be maintained in anchors subjected to fire conditions.

SPECIFICATION

ANCHORGROUT is a two part pre-measured blend of polyester resins, designed for the anchoring of steel bars and bolts into concrete, machinery and brickwork, which can strictly be used in accordance with the instruction of FAIRMATE.

QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO (EMS) 14001 & OHSAS 18001 (Occupational Health and Safety) certified by ISOQAR / UK.

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our laboratory in Baroda and technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

OUR RANGE OF PRODUCTS

CONCRETE ADMIXTURES WATERPROOFING SYSTEMS ENGINEERING GROUTS INDUSTRIAL FLOOR SURFACES	CONCRETE REPAIRS SURFACE TREATMENT PREPACKED CONCRETE MORTAR PROTECTIVE COATING	HIGHWAY REPAIR LIQUID FLOOR WALL FINISHING SYSTEM
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Corporate Office
8, "SAI SUDHA",
Arunoday Society, Alkapuri,
Vadodara 390 007. Gujarat, India

+91 265 2331193, 2330803, 2358173
+91 7574834603
1800 12345 34

sales@fairmate.com
www.fairmate.com
www.fairmatebuildingsolutions.com



AUSTRALIA BANGLADESH ESTONIA INDONESIA KENYA MYANMAR MALAYSIA NEPAL QATAR SRI LANKA UK USA VENEZUELA

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