



KEY BENEFITS AND FEATURES

- Rapid setting permits completion of rod anchoring jobs in 30-45 minutes.
- Speedy strength gain helps in accelerating restoration time.
- Exhibits excellent dimensional stability. Does not expand or shrink on curing.
- Resistant to corrosion and prevents anchored rods and bolts from corroding.
- Remains unaffected by vibration in adjacent areas.
- High pull out strength allows reduction in hole diameter and depth.
- Can be used for underwater grouting application.

USAGE

- Ideal for anchoring bolts and rebar's into concrete, tock and masonry where high application speed and early load application are required.
- Best suited for high strength anchoring of machinery foundation blots permitting early start up of the machines.
- Ideal for grouting rebar's for extending concrete, both horizontal and vertical.
- Can be used effectively for installation of staircase hand rails.
- Other uses include installation of base plates, balustrades, tower anchor, fan clamps, crane rails, railway tracks and dowel rods.
- Also suited for under anchoring jobs.

DIRECTIONS FOR USE

Hole Preparation: For optimum performance the holes must be dust free and rough sided. Rotary drilling is recommended followed by flushing with air or water. Holes should also free of oils and grease.

Rod Preparation: The rods shall be cleaned to be free of rust, flakes, oils, grease, etc.

Mixing: Tec[®] Grout PGA comes in pre-weighed proportions of Resin and Catalyst, The entire pack shall be mixed thoroughly. Do not attempt partial mixing. Mixing should preferably be done mechanically. When a smooth and homogenous consistency is achieved the mix is ready for placement. Placement should be completed within the gel time of the grout.

Placement: The homogenous mix should be poured steadily into the prepared holes. Incase of vertical applications a caulking gun may be used to avoid air entrapment. The bar to be anchored should then be inserted into the hole to the required depth. The rod may be stirred mildly to ensure complete bond and simultaneously remove entrapped air. Installation should not be done at temperatures above 35°C or below 10°C as this will badly affect performance of the grout.

DESIGN CRITERION:

Hole Depth: The following formula can be applied for deciding the hole depth:

Minimum hole depth (in mm) = $0.15Y^2 A / S B$

Where Y-Characteristic yield strength of steel (460N / mm²), S Permitted shear in concrete (N/mm²), A-Bar diameter, B Hole diameter.

Hole Diameter: The following table may be used as a guideline for deciding hole diameter for drilling.

Rod dia in mm	Hole dia in mm
8	16
12	20
16	20
20	25
25	32
32	38
40	45

YIELD:

PACK	YIELD / PACK IN LTS	YIELD / PACK IN M
1kg	0.5	0.0005
4kg	2.0	0.002



Certified:
ISO 9001 (QMS) & ISO
14001 (EMS)



CLEANING: Tools and equipments should be cleaned within the pot of the grout. Tool Cleaner Tec^R Nova SOL may be used for this purpose. Cured grout can only be removed mechanically.

PRECAUTIONS: Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. In case of accidental eye contact thorough water washing is advised. In case of contact with skin wash immediately with soap and water and not with solvent. This should be followed up with professional medical assistance. Tec^R Grout PGA is flammable. No naked flames should be allowed near the work site. Enclosed spaces must be well ventilated. Smoking should be strictly prevented at the job site.

TECHNICAL DATA :

Physical State	Part A Base Liquid Part B Catalyst Powder
Colour of Mix	Green
Pot Life at 30°C	10-15 Minutes
Initial Set (@25-35°C)	5-30 Minutes
Minimum time before loading	3 Hours
Compressive Strength when tested as per BS 6319 Part 2 : 1983. At Minimum Loading time After 7 Days	>20 N/mm ² 70 N / mm ²
Chemical Resistance	The cured resin is resistant to flash and salt water, petrol, oils grease and most acids, alkalis and solvents
Storage	Store in cool, dry location
Shelf Life	Maximum of 6 months from date of manufacture in unopened package

PACKING:

Available in : 1kg

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET
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