

## Product Description

A polyester resin based composition with optimum/measured dosage of Resin & Catalyst with specially selected non-reactive fillers, packed in convenient-to-use capsule form

## Uses

To provide a unique method of bonding or anchoring bolts into rock or concrete, for the purpose of rock/soil stabilization in mining, tunnelling etc.

## Advantages

- Ready-to-use duel pack system with pre-measured quantity of resin and hardener/catalyst put in a capsule
- Controlled setting time, manufactured as per site requirements
- Rapid high strength development for utmost safety of structure as well as manpower
- Permanent anchorage, unaffected by vibration or corrosive environment
- No fire hazards

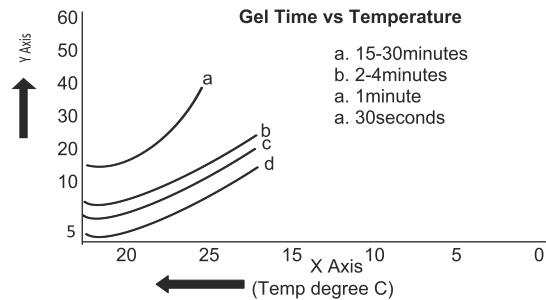
## Application

Resin Gel Time and strength are affected by temperature. The colder the temperature, the slower the chemical reaction. The warmer the temperature, the faster the chemical reaction. Always allow the Resin Capsules to climatize to the mine/tunnel temperature to maintain consistent product performance.

## Application

Drill hole to correct depth and diameter as recommended. Clean hole thoroughly with compressed air and/or water and a bottle brush. Inset appropriate number of capsules individually to the extremity of the hole. Attach bolt to rotary machine by means of a spinning adopter and commence rotating progressively through capsules until bottom of the hole is reached. Rotate for final two seconds. Detach drill from spinning adopter. (Recommended speed of the rotation 150 – 250 rpm).

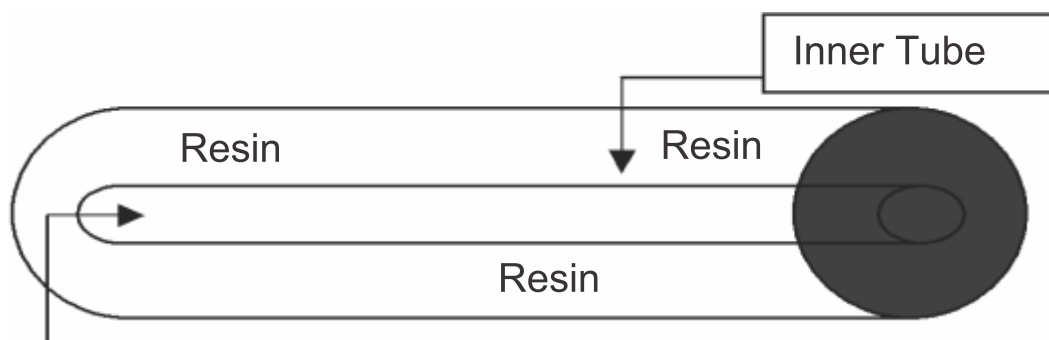
Leave bolt undisturbed until resin has cured. Remove adopter.



Compressive Strength of Cured Capsule of our standard formulation after curing at 25 °C

1hour	600-800kg/cm <sup>2</sup>
24hours	800-900kg/cm <sup>2</sup>
Tensile strength of cured capsule	500kg/cm <sup>2</sup>
Gel Time	2-4minutes at 30°C

Note: The above mentioned parameters can be varied/ adjusted to suit the site requirements subject to receipt of specifications/requirements in advance.



## Dimensions

Techno BoltFix Resicap Standard Resin Cartridge Sizes

25mm dia x 300mm length

32mm dia x 300mm length

40mm dia x 300mm length

Any other sizes to suit the site requirements can also be custom made

## Instructions

This is a temperature sensitive product. It is recommended to read carefully the Method of Use or consult our representative before application. The performance of this product may vary depending upon the temperature as well as the rock conditions

**Important:** Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

### For Complaints/Suggestions:

Please write to our Customer Care Executive at

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