

## ROCKFIX - R

### Polyster resin capsule / cartridge for anchor system

**DESCRIPTION :** **ROCKFIX-** R is based on specially selected thixotropic polyester resin and catalyst components in single pack cartridge/capsule form. It is inserted into the anchor hole and gets ruptured with the rotation of the bolt during the installation, The catalysed resin spreads around the anchor bolt and grouts the annular space. Chemical reaction between the two components during mixing results into high strength solid anchor.

**USES:** For high strength corrosion resistant anchoring of bolts from 12-40 mm diameter in concrete, brick work, masonry or rock, where high speed of installation and early application of load is required. Foundation and machinery holding down bolts, crane and rail track fixing, grout anchors in rock, roof support in tunnels and mines, rock slope stabilization, single sided shuttering support, safety barriers and fencing fixtures, pipe and cable support.

#### FEATURES

- ❖ Easy and quick to use
- ❖ Can be used for overhead anchorages
- ❖ Produces strong, rapid and consistent anchorages
- ❖ Bolts protected from corrosion and chemical attack
- ❖ No expansion stresses - can be used in weak or relatively soft strata
- ❖ Unaffected by vibration
- ❖ Factory controlled high quality product
- ❖ Higher compressive strength
- ❖ Higher modulus

#### APPLICATION

- ❖ Dust free hole is a must and this may be achieved by compressed air or hole may be created by self flushing drill.
- ❖ Drill hole to the specified depth with rotary/percussive drilling machine and the hole should be clean and free from obstruction.
- ❖ Select the correct resin capsule that has been specified for the job.
- ❖ Insert **ROCKFIX-R** cartridge/ capsule inside the hole with the bolt or a stemming rod.
- ❖ Insert the rock bolt and rotate with the drill whilst pushing progressively through the cartridge @ one second per 25 RPM. rpm between 150 & 400 is preferred. Avoid high speed.
- ❖ When bolt reaches the bottom of the 25 mm hole , rotate for a further 2/3 seconds to ensure complete mixing. Detach drill from adaptor and leave anchor undisturbed until set.
- ❖ Do not over mix the resin. If mixing continues beyond the recommended spin time and into the gel time, solidifying resin be destroyed.

#### TECHNICAL DATA

Curing Temperature	:	5°C	15°C	30°C
Initial Set	:	5 - 7 min	3 - 5 min	1- 3min
Minimum application	:	3°C		
Compressive strength(MPa)		1hr.	1hr.	24hrs

(Tested on 50 mm cubes

with show set	:	50	70	75
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as per BS : 7861

Youngs Modulus(MPa)	:			>6.5
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Pull out strength

Measured on 22 mm bolt, 50 mm encapsulation

in 28 mm dia hole with slow set resin (kN)				>72
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**AVAILABILITY** : Two grades i.e. Fast, Medium& Slow

**SELF LIFE** : Three month from the date of manufacture when stored between 20 - 25°C.

**PACKING** : In cardboard boxes varying from 25 to 50 Nos. In each box.

**STORAGE** : Store in a cool, dry place preferably below 25°C.

#### TECHNICAL SUPPORT

Buildtech Products offers a complete technical & field support service.