

Resin capsules

For optimum productivity

This easily handled capsule design uses high performance polyester resins for securing bolts and anchors. The simple installation makes bolting fast and easy with manual or automated loading of the resin capsule into the predrilled borehole. A retainer holds the capsule in situ ready for the bolt insertion. Mixing of the resin is done by spinning the bolt into the borehole. For longer hole lengths, usually the use of 2 different types of capsules is best, with a faster setting time capsule at the toe of the hole and the other slower setting one in the remainder, allowing full mixing of both capsules and ensuring quality bonding over the length of the bolt.

The resin design can be fine-tuned to meet project specific setting times, lengths, diameters and insertion methods.



Advantages include:

- Fast setting times for immediate security
- Easy and fast to insert and manage
- Full encapsulation of bolt
- Can be used in specific underwater applications and in wet boreholes
- Not affected by vibration from nearby blasting or machines
- No additional equipment needed (pumps, hoses, etc)
- Resins offer additional protection to bolts
- Clean
- No dust
- Various setting times are available
- Various lengths and diameters available

Applications:

- Rock bolting and anchoring in mines, tunnels and construction applications
- Permanent application use
- When combined with Nordic Geo Support GFRP bolts, an easier cleaner excavation in temporary areas by reducing ore contamination and lower wear on cutters, crushers and conveyers in mining and tunnelling works.
- Vibration resistant allows better security of bolts nearby to blasting areas