

Chemical Anchor Bolt

HM-200 Chemical Anchor Bolt is high-strength anchor bolt with vinyl resin as main bonding material.

It consists of selected quartz sands, curing agents and resins placed in sealed glass tubes, Along with threaded metal rods/bolts.

it is a new type of anchor material which can serve as a substitute to embedded parts, and expansion bolts.



▲▲ Application Range

- Attaching various types of curtain wall brackets, glasses panels, stones, aluminum curtain walls, and all kinds of composite material curtain wall steel brackets, bases and keels.
- Bolting of machines and equipment to foundations.
- Connecting steel structures and concrete structures.
- Attachments of utility pipes, e.g. chemical pipes, equipment pipelines, crane rails, and other building equipment.

▲▲ Curing Time Sheet

| Temperature | -5℃ | 0℃ | 5℃ | 10℃ | 20℃ | 30℃ | 40℃ |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| Operable Time | 30 min | 20 min | 14 min | 9 min | 5 min | 4 min | 2 min |
| Curing Time | 6 hour | 3 hour | 90 min | 70 min | 45 min | 25 min | 15 min |

▲▲ Product Characteristics

- High fatigue resistance, very durable, corrosion resistance.
- Strong cohesion, high pulling force, the effect is the same as embedded rods.
- Application in wide temperature range, could be constructed at -5 ℃ ~ 40 ℃.
- Used for tight limited spaces, margins, narrow spaces.
- Applicable to various substrates, concrete, rock, masonry etc..
- Non-expansive chemical bonding adhesive, does not damage the substrate.
- Convenient and fast construction, safe and environmentally friendly.

▲▲ Operation Process

→→ Drill hole in the substrate: Drilling Tools - Impact Hammer.

→→ Clean hole

Blow out or vacuum the dust in the holes with compressed gases such as air pump or gas reservoir.

Brush the dust attached to the hole walls with brushes.

Repeat step 1 and 2 several times, until the hole is completely free of loose materials and dust.

→→ Insert the adhesive capsule: confirm the fluidity of resin with hand or visual inspection, and then insert the capsule whole the way inside the hole.

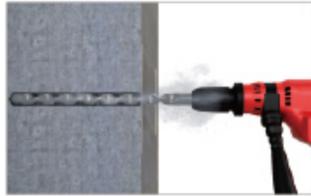
→→ Screw in the bolt (threaded rod): screw the bolt into the hole and capsule, using rotary power tool. 45° cut end of the threaded rod is on the front end, and the hexagonal nut is on the back end.

Seize driving the threaded rod when it reaches the end of the hole (as marked on the threaded rod, too).

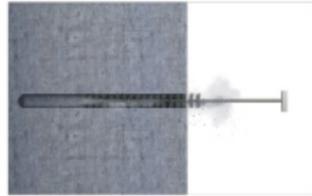
→→ Curing: curing time see the referenced gel time of the above curing time schedule.

→→ Fix objects: objects can be fixed after curing period.

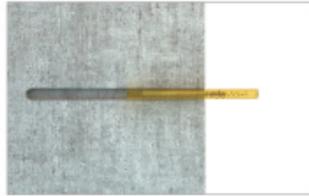
→→ Storage: store in a cool dry place away from light. Shelf life is 12 months.



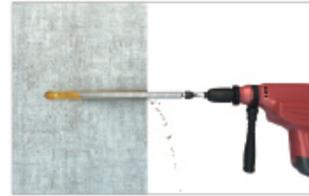
drilling holes



cleaning holes



placing chemical



placing bolts



curing

▲▲ Package

This product packed in boxes, 10pc/box.

▲▲ Transportation and Storage

→→ This product is not a dangerous material, transportation as a general chemical building materials.

→→ The product should not be exposed to direct sunlight and/or rain, and the package shall not be damaged in transportation.

→→ This product should be stored in a cool dark (5 °C- 40 °C), dry storage space, for no more than 12 months.

▲▲ Points for Attention

→→ Drill holes in accordance with the standard pore size and depth, as strictly recommended by the manufacturer.

→→ In order to prevent the fixation strength from decreasing, please make sure that the hole is thoroughly and the dust is completely removed.

→→ Because the blowing or vacuuming can only treat with the floating dust in the hole and is difficult to clean the dust attached to the inner wall of the hole, make sure to use the brush.

→→ When the bolt reaches the bottom of the hole, stop driving the bolt at once, do not over-drive the bolt.

→→ The bolt should not be shaken in the curing period.

→→ Keep away from fire, do not use open flame to burn glass tube.

→→ Not suitable for construction under water.

→→ If the glass tube is not used long-term, the fluidity of glue liquid should be checked, if it does not flowable, then it should not be used.