

TEMPING ROD

BE 107

A tamping rod (also known as a puddling rod) is a specialized tool used in concrete testing to consolidate fresh concrete samples by eliminating air voids. It consists of a straight, round steel rod, typically with rounded or hemispherical ends for even pressure distribution during use.

FOLLOWING STANDARD

ASTM C143, ASTM C31

COMMON USES

- **Slump testing:** Rods the concrete inside a slump cone to ensure uniform compaction before measuring the slump height.
- **Cylinder and cube mold preparation:** Compacts concrete layers in molds for compressive strength tests.
- **Air content and unit weight tests:** Helps achieve consistent density by removing entrapped air.

TYPICAL SPECIFICATIONS

- **Diameter:** 3/8 inch (9.5 mm) or 5/8 inch (16 mm), depending on the test standard (ASTM C31 for cylinders uses 5/8 inch).
- **Length:** Commonly 12 inches (30.5 cm) for smaller tests or 18–24 inches (46–61 cm) for larger molds.
- **Material:** Stainless steel for rust resistance and durability; some models include a built-in scale for depth measurement.

These rods are widely available from lab supply companies and meet standards like ASTM C143 for slump tests. If you're referring to a different context (a smoking accessory), provide more details for clarification!

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