

MATERIAL TEST CERTIFICATE

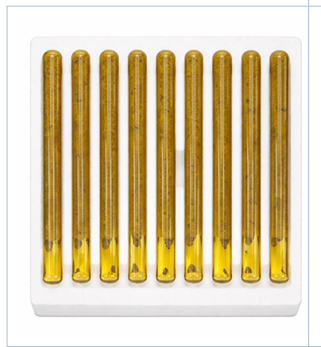
STANDARD REFERENCE DOCUMENT — CHEMICAL CAPSULE

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PRODUCT INFORMATION

Product Name	CANCO Chemical Capsule	Reference Size	Various anchor diameters; e.g. M8 to M30
Product Category	Pre-measured Chemical Resin Capsule	Base Materials	Non-cracked concrete; cracked concrete depending on resin; solid stone
Resin Type Options	Polyester; Vinylester; Epoxy; Standard & High Temperature Grades	Suitable Rod Types	Carbon steel threaded rod; Grade 8.8 / 10.9 studs; SS 304 / 316 threaded rod; rebar
Manufacturing	Manufactured to applicable international standards or customer-approved specifications	Supply	OEM programmes, distributor supply and export requirements

PRODUCT IDENTIFICATION



Construction: Pre-measured glass capsule containing resin compound and hardener component.

Bonding principle: The capsule is inserted into a pre-drilled hole; rotation of the threaded rod or rebar breaks the glass and mixes resin and hardener to create a strong chemical bond.

Typical applications: Structural steel connections, machinery installation, bridge and infrastructure anchoring, base plate fixing and safety barrier installation.

Reference configuration: Capsule length and diameter are customised according to anchor size. Custom capsule sizes and special resin formulations are available.

MATERIAL / COMPONENT SPECIFICATION

Component	Material / Specification	Inspection / Requirement
Glass capsule	Glass encapsulation containing pre-measured chemical system	Visual and dimensional inspection
Resin compound	Polyester / Vinylester / Epoxy resin	Resin quality testing
Hardener component	Pre-measured hardener component matched to resin system	Quality / batch verification
Capsule dimensions	Customised according to anchor size	Dimensional inspection

REFERENCE DIMENSIONAL CONFIGURATION

Parameter	Reference Value	Qualification
Anchor diameter range	Various diameters; e.g. M8 to M30	Exact capsule size to match approved anchor configuration
Capsule length	Customised as per anchor size	Confirm from approved drawing / purchase order
Resin formulation	Polyester / Vinylester / Epoxy	Special formulations available as required
Temperature grade	Standard & High Temperature Grades	Select according to application

INSTALLATION / PERFORMANCE REQUIREMENTS

Parameter	Requirement	Status
Hole preparation	Drill hole to specified diameter and depth; clean using blow-brush-blow method	Critical requirement
Capsule installation	Insert chemical capsule into the drilled hole	Required
Mixing / activation	Rotate threaded rod into capsule using rotary tool to break glass and mix components	Required
Curing	Allow recommended curing time before loading; exact timing depends on temperature and resin type	Required
Performance	High load-bearing capacity; vibration resistant; suitable for overhead applications; controlled mixing and pre-measured dosage	Specified

QUALITY INSPECTION

Inspection Item	Status	Record
Dimensional inspection	✓ REQUIRED	Inspection report
Resin quality testing	✓ REQUIRED	Quality / batch record
Load / pull-out testing	ON REQUEST	Test record where specified
Batch traceability	AVAILABLE	Batch documentation

STORAGE / PACKAGING

Item	Requirement	Availability
Storage	Store in cool and dry conditions away from direct sunlight	Required
Shelf life	Depends on resin formulation and storage temperature	Product-specific
Packaging	Individual capsule packing; bulk cartons; palletised loads; private-label packaging	Available

MANUFACTURER'S DECLARATION

Declaration — This standard reference MTC identifies the CANCO Chemical Capsule and summarizes the material, component, installation, inspection, storage and application requirements supported by the supplied technical specification. Actual batch-specific resin formulation, capsule dimensions, batch traceability and any mechanical/load test results shall be reported against the confirmed customer order and applicable batch documentation. This document is not an ETA, DoP or third-party product approval.

For CANCO Fasteners

Authorized Signatory

REFERENCE NOTICE

The supplied Canco specification confirms polyester, vinylester and epoxy resin options; standard and high-temperature grades; suitable carbon steel threaded rods, Grade 8.8 / 10.9 high tensile studs, stainless steel AISI 304 / 316 threaded rods and rebar; glass capsule, resin compound and hardener components; dimensional inspection, resin quality testing, load/pull-out testing upon request and batch traceability; and applications including structural steel connections, machinery installation, bridge/infrastructure anchoring, base plate fixing and safety barriers.

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