Checklist – CAC087M
MRTS272 Shotcrete incorporating MRTS70 Concrete and MRTS71 Reinforcing Steel

Note: This checklist is a summary only of the required quality assurance documentation, Administrator approvals and key inspection points. By itself, it does not ensure that all requirements of the Technical Specification are met.

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| --- | --- | --- | --- | --- | --- |
| Contractor |  | Date |  | Contract no. |  |
| Project no. |  | Project name |  |
| Lot ref. |  | Lot description |  |

| Reference | Documentation / Inspection | Addressed | Comments / Observations |
| --- | --- | --- | --- |
| MRTS272 Clause 7 | Hold Point 1 - Construction procedures* Mix design (five weeks)
* Work Method Statement
 |  |  |
| MRTS70 Clause 15.1Clause 9.2 | Hold Point 1 - Mix design* Mix design
* Test results
	+ Strength
	+ Chloride content
	+ Aggregates
 |  |  |
| MRTS272 Clause 9 | Witness Point 1 and 2 - Shotcrete trial* Procedures
* Sampling (extra if using fibres)
* Visual examination of cores
 |  |  |
| MRTS272Clause 9.2 | Hold Point 2 - Trial results* NATA‑endorsed test reports
 |  |  |
| MRTS71(ATS 5310)Clause 4.2 | Hold Point 1 - Supply of reinforcement* Transport and Main Roads registration certificate
 |  |  |
| MRTS71(ATS 5310)Clauses 5, 6 | Steel reinforcement* Delivery dockets / bundle tags
* Visual inspection
	+ surface condition
	+ storage
	+ shape / size

**Hold Points 2, 4, 6, 7, 8 Special cases*** Splices
* Electrical conductivity
* Welding
* Stainless
 |  |  |
| MRTS70Clause 15.6.1MRTS71(ATS 5310)Clause 7 | Hold Point 5 (MRTS70) - Pre‑pour inspection* Visual inspection
	+ reinforcement position
	+ cover / spacers
	+ no foreign material
	+ surface preparation
 |  |  |
| MRTS70Clause 15.6Clause 11 | Concrete delivery* Delivery docket (approved mix)
* Field sheet
	+ slump / spread result
	+ batch / arrival times
	+ concrete temperature
	+ ambient conditions
* Visual inspection
	+ no surprises
 |  |  |
| MRTS70Clause 15.6MRTS272Clause 14 | Placement and compaction* Visual inspection
	+ concrete
	+ placement
	+ evaporation retardation
	+ curing
	+ no sagging
 |  |  |
| MRTS70Clause 15 | Post‑pour Inspection* Visual inspection
	+ surface finish
	+ dimensions
 |  |  |
| MRTS70Clause 12 | Material Data Record* Concrete strength report (NATA‑endorsed)
* Concrete strength summary and comparison (cylinders vs cores)
 |  |  |

**Additional items for consideration**

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*Delete below section if not required*

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| Audited by: |  |  |  |
| Name |  | Signature |  | Date |  |