



Engineering Hub

Site QA/QC checklists

10

Protective and anti-carbonation coatings

Coatings on concrete and steel: preparation, fairing coat, number of coats, thickness and adhesion.

Systems

Anti-carbonation

Protective coatings

Inspection record

Project	Location / area	Inspector	Date	Signature
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10.1 Before: surface acceptance

Check	Method or record	Acceptance	Remarks
☐ Dirt, oil and weak coatings removed; surface profile per the specification ◆ Hold point	On steel: cleanliness grade to ISO 8501 - 1	Cleanliness and profile as specified, confirmed before priming	
☐ Concrete and crack repairs complete and cured	Repair records checked	Repairs cured for the specified time	
☐ Substrate moisture, temperature and dew point within the TDS limits	Measured and logged at the start and during the shift	Within the TDS limits throughout the application	

10.2 During application

Check	Method or record	Acceptance	Remarks
☐ Fairing coat to close pores and blowholes where the system calls for it	Visual check in raking light	Pores and blowholes closed; an even surface	

☐	Number of coats, wet-film thickness per coat and recoat windows ◆ Hold point	Gauge readings per coat	No reading below the specified wet film; each coat within its recoat window	
☐	Even coverage with no thin or missed areas	Visual check in good light	Even colour and gloss; no thin, missed or sagging areas	

10.3 After: testing and handover

Check	Method or record	Acceptance	Remarks
☐ Dry-film thickness: by gauge on steel; by samples or consumption on concrete	Readings recorded per area	Not below the specified minimum dry-film thickness	
☐ Adhesion test where specified	ASTM D4541 on steel · ASTM D7234 on concrete	Value not below the specification; failure mode recorded	
☐ Records: products and batch numbers, weather, checks and photos	The project quality file	Complete, signed and filed for handover	



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