



Engineering Hub

Site QA/QC checklists

03

Cementitious and crystalline

Cementitious coatings and crystalline treatments: concrete repair, open pores, pre-wetting, coverage and moist curing.

Systems

Cementitious

Crystalline

Inspection record

Project

Location / area

Inspector

Date

Signature

03.1 Before: surface acceptance

Check	Method or record	Acceptance	Remarks
☐ Sound concrete; honeycombing and tie holes repaired; active leaks stopped ◆ Hold point	Visual; repairs and plugging recorded	No active leak; repairs cured before coating	
☐ Laitance, form oil, paint and curing compounds removed to open the pores	Water jetting or grinding; visual check	Open, absorbent surface: water soaks in, it does not bead	
☐ Moving cracks and joints treated by injection or a joint system before coating	Checked against the crack map and joint layout	No moving crack or joint left under a rigid coat	
☐ Concrete saturated, with no standing water on the surface	Visual and touch check before each coat	Saturated surface-dry: damp and dark, no free water	
☐ Fillets at internal corners where the system calls for them	Visual, against the details	Fillets continuous and sound where specified	

03.2 During application

Check

Method or record

Acceptance

Remarks

☐	Mix ratio, mixing time and pot life per the TDS	Watched at mixing; batch and times recorded	Whole packs, the specified liquid; no re-tempering of a stiffening mix	
☐	Two coats, the second across the first, at the specified consumption ◆ Hold point	Material used ÷ area; thickness check	Consumption not below the specified rate; even, complete cover	
☐	Tape or fabric reinforcement where the flexible system calls for it	Visual check at corners, joints and penetrations	Embedded between coats; no wrinkles or gaps	
☐	Protected from direct sun and hot wind during application	Shading and timing planned; conditions logged	No rapid drying, crazing or dusting	

03.3 After: testing and handover

Check	Method or record	Acceptance	Remarks
☐ Moist curing for the specified period, by misting or covering ◆ Hold point	Curing log	Kept damp for the full specified period	
☐ No cracks, debonding or missed areas	Visual check and tapping	Continuous, bonded coat; defects repaired	
☐ Flood, fill or wet-condition observation, by element	A water test suited to the element; observation log	No damp patches or leaks over the observation period	
☐ The specified time before tiling, painting or filling	Dates recorded per area	Following trades start only after the specified time	
☐ Records: products and batch numbers, weather, checks and photos	The project quality file	Complete, signed and filed for handover	



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