



Engineering Hub

Site QA/QC checklists

07

Expansion joints and joint systems

Sealants, tapes and profiles: edges, primer, backer rod, fill and continuity.

Systems

Expansion joints

Inspection record

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

Check	Method or record	Acceptance	Remarks
☐ Joint width and depth measured against the movement design	Measured at intervals and recorded	Width within the range the sealant or profile is designed for	
☐ Sound, clean, dry edges; spalled arrises repaired with repair mortar ◆ Hold point	Visual check	Firm, clean, dry faces along the whole joint	
☐ Old sealant fully removed	Visual check of both faces	No residue on either face	

07.2 During application

Check	Method or record	Acceptance	Remarks
☐ The specified primer on both joint faces, within its open time	Times recorded per run	Both faces primed; sealant placed within the open time	
☐ Backer rod of the right diameter at the specified depth, not punctured ◆ Hold point	Depth measured	Sealant depth as specified; rod intact and continuous	

☐	Full fill with no voids, tooled to the specified width-to-depth ratio	Visual check; a random cut-out where specified	No voids or bubbles; bonded to the two faces only	
☐	Joint tape bonded and continuous at ends and junctions	Visual check at ends, laps and junctions	No lifted edges; laps and junctions sealed as the system specifies	
☐	Profiles and covers fixed and flush in traffic areas	Straightedge and visual check	Flush with the finish; fixings tight	

07.3 After: testing and handover

Check	Method or record	Acceptance	Remarks
☐ Protected from traffic until cured	Barriers and signs; cure time recorded	No damage or dirt pick-up before cure	
☐ No edge debonding or voids	Visual; adhesion check per the manufacturer where required	Sealant bonded along both faces	
☐ Water test of roof and podium joints, where applicable ◆ Hold point	Result recorded	No leak below the joint over the test period	
☐ Records: products and batch numbers, weather, checks and photos	The project quality file	Complete, signed and filed for handover	



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