

Bathroom liquid waterproofing - JSA - B

en-SG · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time		Location / area		Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Match substrate							
HP-2 Reinforce details							
HP-3 Check cure							
HP-4 Clean and transfer							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Prepare access	1. Trapped worker 2. Container strain 3. Exposure to spill	1. Open pails left 2. Lift route awkward 3. Ventilation absent	1. Restrict access 2. Use safe material handling 3. Prepare ventilation and PPE	1. Container condition 2. Handling arrangement 3. Labels briefing and exposure controls				
2. Clean and prime	1. Skin contact 2. Adhesion failure 3. Contamination return	1. Surface wet 2. Primer substituted 3. Dirty tools used	1. Confirm moisture condition 2. Use required primer 3. Protect prepared area	1. Primer identification 2. Application time 3. Environmental condition				
3. Reinforce details	1. Chemical contact 2. Leak at drain 3. Membrane discontinuity	1. Drain detail wrong 2. Tape not embedded 3. Awkward prolonged posture	1. Embed compatible reinforcement 2. Check voids and continuity 3. Adjust work position	1. Penetration treatment 2. Tape and patch condition 3. Posture and protection				
4. Apply membrane	1. Slip and fall 2. Thin coating 3. Trapped air	1. Exit blocked 2. Coverage too low 3. Excess thickness	1. Maintain escape route 2. Measure specified film 3. Control each coat	1. Layer time 2. Bubble and gap check 3. Access boundary				
5. Check cure	1. Concealed leakage 2. Early exposure 3. Failed next trade	1. Time unrecorded 2. Humidity or condensation ignored 3. Traffic released early	1. Verify thickness and continuity 2. Meet cure criteria 3. Separate test/traffic release	1. Specified inspection 2. Cure evidence 3. Next-trade conditions				
6. Hold defects	1. Rework exposure 2. Further damage 3. Repeat adhesion failure	1. Cause not investigated 2. Workers walk through 3. Wrong repair used	1. Stop follow-on work 2. Review substrate and product 3. Reinspect repair and cure	1. Cause review 2. Repair instructions 3. Repeat inspection				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Container condition	☐ Primer identification	☐ Penetration treatment
☐ Layer time	☐ Specified inspection	☐ Cause review
☐ Labels briefing and exposure controls	☐ Access boundary	☐ Repeat inspection