

Indoor PVC Drain Solvent-Weld Jointing - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-13 · 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 Identify system and product							
HP-2 Prepare area and support							
HP-3 Support and cure							
HP-4 Transfer test readiness							

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. Material compatibility	1. Weak solvent bond 2. Wrong service application 3. Unknown chemical exposure	1. Product selected by color 2. System duty unclear 3. SDS not available	1. Verify full joint system 2. Define nonpressure scope 3. Obtain product instructions	1. Pipe fitting cement IDs 2. Service and size 3. SDS and product condition				
2. Workspace release	1. Vapor accumulation 2. Solvent ignition 3. Nearby-worker exposure	1. Ventilation assumed 2. Ignition source unreviewed 3. Other trades enter area	1. Review exposure controls 2. Coordinate ignition exclusion 3. Define affected area	1. Ventilation basis 2. Ignition and storage controls 3. Worker briefing				
3. Joint preparation	1. Poor engagement 2. Pipe rotation 3. Unsupported joint loading	1. Cut and fit unchecked 2. Orientation unmarked 3. Supports deferred	1. Gate preparation acceptance 2. Confirm alignment marks 3. Stage independent supports	1. Cut and socket condition 2. Dry-fit and depth record 3. Support locations				
4. Assembly tracking	1. Joint pushout 2. Missed working limit 3. Untraceable defect	1. Hold period ignored 2. Product gels unnoticed 3. Joint ID absent	1. Use product-specific sequence 2. Reject degraded cement 3. Identify each held joint	1. Assembly and hold record 2. Product and environment 3. Joint map				
5. Cure and rework	1. Premature leak test 2. Concealed weak joint 3. Repeated movement damage	1. Surface dryness accepted 2. Outside patch proposed 3. Cure clock not restarted	1. Separate readiness stages 2. Require accepted rework 3. Protect repaired section	1. Handling and test criteria 2. Repair and new joint time 3. Support and restriction status				
6. Test handover	1. Unsafe compressed-gas test 2. Unknown cure status 3. Solvent-waste fire	1. Test medium improvised 2. Records missing 3. Waste closure omitted	1. Confirm separate test method 2. Transfer complete cure record 3. Check product and waste closure	1. Test plan and owner 2. Joint readiness evidence 3. Retained holds				

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

4. Pre-work checklist

☐ Pipe fitting cement IDs	☐ Ventilation basis	☐ Cut and socket condition
☐ Assembly and hold record	☐ Handling and test criteria	☐ Test plan and owner
☐ SDS and product condition	☐ Joint map	☐ Retained holds