

Indoor PVC Drain Solvent-Weld Jointing - JSA - B

en-US · Technical failure review · 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. Prepare area and support	1. Solvent ignition 2. Pipe movement 3. Trip injury	1. Ignition sources nearby 2. Temporary support absent 3. Materials block access	1. Control ignition sources 2. Support pipe independently 3. Keep work route clear	1. Ignition source review 2. Support and alignment 3. Clear access				
2. Cut and prepare	1. Poor socket engagement 2. Contaminated joint 3. Eye injury	1. Cut angled or burred 2. Dirty or wet surfaces 3. Chips uncontained	1. Deburr and prepare ends 2. Clean as product requires 3. Control chips and protection	1. Socket and pipe surfaces 2. Required engagement 3. Cutting tool condition				
3. Check fit and readiness	1. Wrong joint orientation 2. Cement skin formation 3. Excess solvent pooling	1. Marks absent 2. Tools not ready 3. Applicator unsuitable	1. Mark alignment and depth 2. Stage jointing materials 3. Use correct applicator	1. Orientation marks 2. Product working conditions 3. Cement condition				
4. Assemble and hold	1. Skin and eye contact 2. Misaligned branch 3. Incomplete bond	1. Wet cement splashes 2. Joint moved after set 3. Dried cement reused	1. Maintain required holding 2. Keep alignment stable 3. Reject defective assembly	1. Engagement and orientation 2. Required holding completed 3. Visible joint condition				
5. Support and cure	1. Premature leakage 2. Vapor exposure 3. Accidental disturbance	1. Handling equals test release 2. Containers left open 3. Cure area unmarked	1. Use correct cure criteria 2. Close and control products 3. Mark joint status	1. Handling and test readiness 2. Support and protection 3. Joint time record				
6. Hold defective joint	1. Repeated separation 2. Chemical exposure 3. Unsafe test attempt	1. Cause not corrected 2. Wet work uncontrolled 3. Air test proposed	1. Use approved rework method 2. Restore exposure controls 3. Reject compressed-gas test	1. Rework method and record 2. New cure starting time 3. Accepted test medium				

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

4. Pre-work checklist

☐ Ignition source review	☐ Socket and pipe surfaces	☐ Orientation marks
☐ Engagement and orientation	☐ Handling and test readiness	☐ Rework method and record
☐ Clear access	☐ Visible joint condition	☐ Accepted test medium