

Indoor PVC Drain Solvent-Weld Jointing - JSA - A

en-US · Basic task controls · 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. Identify system and product	1. Joint separation 2. Vapor exposure 3. Chemical burns	1. PVC identity uncertain 2. SDS unavailable 3. Protection guessed	1. Confirm nonpressure PVC 2. Match primer and cement 3. Review product hazards	1. Pipe fitting and size 2. Product label and SDS 3. Material compatibility				
2. Cut and prepare	1. Hand cuts 2. Poor socket engagement 3. Contaminated joint	1. Pipe rolls during cutting 2. Cut angled or burred 3. Dirty or wet surfaces	1. Secure pipe for manual cut 2. Deburr and prepare ends 3. Clean as product requires	1. Cut and end condition 2. Socket and pipe surfaces 3. Required engagement				
3. Check fit and readiness	1. Weak bond 2. Wrong joint orientation 3. Cement skin formation	1. Fit not checked 2. Marks absent 3. Tools not ready	1. Check specified dry fit 2. Mark alignment and depth 3. Stage jointing materials	1. Fit and engagement basis 2. Orientation marks 3. Product working conditions				
4. Assemble and hold	1. Joint pushout 2. Skin and eye contact 3. Misaligned branch	1. Holding released early 2. Wet cement splashes 3. Joint moved after set	1. Follow product assembly 2. Maintain required holding 3. Keep alignment stable	1. Assembly time and operator 2. Engagement and orientation 3. Required holding completed				
5. Support and cure	1. Joint distortion 2. Premature leakage 3. Vapor exposure	1. Pipe left unsupported 2. Handling equals test release 3. Containers left open	1. Maintain independent support 2. Use correct cure criteria 3. Close and control products	1. Product size and conditions 2. Handling and test readiness 3. Support and protection				
6. Transfer test readiness	1. Premature test release 2. Untracked joint defect 3. Solvent waste ignition	1. Time record missing 2. Held joint unmarked 3. Waste left open	1. Transfer cure evidence 2. Identify held sections 3. Contain solvent waste	1. Joint map and cure basis 2. Defect and repair status 3. Product and waste closure				

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

4. Pre-work checklist

☐ Pipe fitting and size	☐ Cut and end condition	☐ Fit and engagement basis
☐ Assembly time and operator	☐ Product size and conditions	☐ Joint map and cure basis
☐ Material compatibility	☐ Required holding completed	☐ Product and waste closure