

PVC TYPE-1 – Installation Guide

TS EN 1329-1 · Push-fit gasket and solvent-weld

Push-fit gasket joint

- Cut pipe square. Chamfer the leading edge $\approx 15^\circ$ for a smooth gasket entry.
- Mark the insertion depth on the pipe (typically the socket depth less 10 mm to allow for thermal movement).
- Clean the socket and pipe end. Apply a thin film of approved silicone-based lubricant – never oil or grease.
- Push the pipe straight in until the mark, then withdraw 10 mm to leave the expansion gap.

Solvent-weld joint

- Use only PVC-U solvent cement compatible with TS EN 1329-1.
- Sand the joint area lightly with fine emery to break the surface gloss; clean with PVC cleaner.
- Apply solvent cement to BOTH the spigot and the socket. Push together with a quarter-turn within 30 seconds.
- Hold for 60 seconds. Wipe excess. Allow 24 hours before pressure test.

Routing & support

- Maintain minimum gradient 1–2% on horizontal drainage runs.
- Vertical stack supports every 1.0–1.5 m. Horizontal supports every 0.6–0.8 m for $\leq \text{Ø}75$, every 1.0 m for $\text{Ø}110$.
- Provide cleanout access at every change of direction $> 45^\circ$ on long horizontal runs.
- Below 0 °C – insulate or use HDPE alternative; PVC cold-brittleness rises sharply.

For acoustic-class projects (hotel/hospital), specify the TYPE-2 thick-wall variant separately. Project supervision available on request – info@vala.com.tr.