



## DOs and DON'Ts of Installation

### DOs

- **Read the manufacturer's installation instructions and install product accordingly.**
- Follow recommended safe work practices.
- Make certain that thread sealants, gasket lubricants, or fire-stop materials are compatible with Harvel® sprinkler pipe.
- If painting is desired, use only water-based latex paints.
- Keep pipe and fittings in original packaging until needed.
- If pipe and fittings are stored outdoors, cover with an opaque tarp.
- Follow proper handling procedures.
- Use tools specifically designed for plastic pipe and fittings.
- Use proper solvent cement and follow application instructions.
- Use a drop cloth to protect interior finishes.
- Cut the pipe ends square.
- Deburr and bevel the pipe end with a chamfering tool before cementing.
- Rotate the pipe a quarter turn when bottoming pipe in fitting socket when solvent cementing.
- Avoid puddling of solvent cement in fittings and pipe.
- Make certain no solvent cement is on sprinkler head and adapter threads.
- Make certain that solvent cement does not run and plug the sprinkler head orifice.
- Follow manufacturer's recommended cure times before pressure testing.
- Fill lines slowly and bleed the air from the system before pressure testing.
- Support sprinkler head properly to prevent lift up of the head through the ceiling when activated.
- Keep threaded rod within 1/16" of the pipe or use a surge arrestor.
- Install Harvel sprinkler pipe and fittings in wet systems only or specially listed dry systems.
- Use only insulation and/or glycerin/water solutions for freeze protection.
- Allow for movement due to expansion and contraction.
- Renew your Harvel sprinkler pipe and fittings installation training every two years.

### DON'Ts

- Don't use edible oils such as Crisco® for gasket lubricant.
- Don't use petroleum or solvent-based paints, sealants, lubricants, or fire-stop materials.
- Don't install tape, insulated wire, or cable in direct contact with Harvel sprinkler pipe.
- Don't use glycol-based solutions as anti-freeze.
- Don't mix glycerin/water solutions in contaminated containers.
- Don't use Teflon® tape **and** thread sealants simultaneously.
- Don't use solvent cement that has exceeded its shelf life or has become discolored or gelled.
- Don't allow solvent cement to plug the sprinkler head orifice.
- Don't connect rigid metal couplers to Harvel grooved adaptors.
- Don't thread, groove, or drill Harvel sprinkler pipe.
- Don't use solvent cement near sources of heat or open flame, or when smoking.
- Don't pressure test until recommended cure times have passed.
- Don't pressure test with air.
- Don't cut pipe with dull or broken cutting-tool blades.
- Don't use ratchet cutters below 50°F.
- Don't use Harvel sprinkler pipe that's been stored unprotected outdoors and is faded in color.
- Don't allow threaded rod to come in contact with the pipe.
- Don't install Harvel sprinkler pipe in cold weather without allowing for expansion.
- Don't install Harvel sprinkler pipe and fittings in dry systems unless specially listed for such use.

**Note:** These lists do not constitute a complete installation guide.