

## Solvent Cementing PVC and CPVC Plastic Pipes

# COLD WEATHER TIPS

### Good joints can be made with Brigade solvent cement at sub-zero temperatures.

Working in freezing temperatures is never easy, but sometimes the job is necessary. If that unavoidable job includes solvent cementing plastic pipe, you can do it successfully with Brigade solvent cements.

Brigade solvent cements have excellent cold weather stability for virtually all practical applications. Our cements are formulated to have well-balanced drying characteristics and to have good stability in sub-freezing temperatures.

By following our standard instructions and using a little extra care and patience, successful solvent cemented joints can be made at temperatures as low as -15°F (-26°C).



### TIPS TO FOLLOW WHEN SOLVENT CEMENTING IN COLD WEATHER

1. Prefabricate as much of the system as possible in a heated work area.
2. Store bulk quantities of primer & cement in a warm location above 40°F (4°C) when not in use and make sure they remain fluid. We recommend the use of smaller containers to transport the fluid products to the joint assembly work-site.
3. If Brigade solvent cement is stored at a very cold temperature and gels, it can be reconstituted by bringing it into a warm environment (60°F - 90°F / 15°C - 32°C) and allowing it to sit for 24 hours. Do not try to artificially heat it in order to speed up the process. Before use, vigorously shake the solvent cement.
4. Take special care to remove moisture including ice and snow from the surfaces to be joined, especially from the ends of the pipe as well as fittings and valve sockets.
5. Ensure that the pipe, fittings, and valves are at the same temperature prior to priming and solvent cementing.
6. Use Brigade P-70™ Primer to soften the joining surfaces before applying the solvent cement. More than one application may be necessary. Surfaces are sufficiently "primed" when scraping a blade on the treated part will result in the effortless removal of some plastic material.
7. Allow a longer cure period before the system is pressure tested. A heat blanket may be used to speed up the set and cure times.
8. Read and follow all of our directions carefully before installation.



## Solvent Cementing PVC and CPVC Plastic Pipes



# HOT WEATHER TIPS

**Good joints can be made with Brigade solvent cement in the most extreme hot weather conditions.**

There are many occasions when solvent cementing plastic pipe in 95°F (35°C) temperature and above cannot be avoided. However, by using Brigade solvent cements and by following our standard instructions with a little extra care outlined below, successful leak-proof joints can be made in even the most extreme weather conditions.



### TIPS TO FOLLOW WHEN SOLVENT CEMENTING IN HOT WEATHER

1. Store solvent cements and primers in a cool or shaded area prior to use.
2. If possible, store pipe and fittings, or at least the ends to be solvent cemented, in a shady area before solvent cementing.
3. Cool surfaces to be joined by wiping with a damp rag. Be sure that the surface is dry prior to applying the solvent cement.
4. Try solvent welding the joints during the cooler morning hours.
5. Make sure that both surfaces to be joined are still wet with the solvent cement when putting them together. With larger size pipe, more people on the crew may be necessary.
6. Using a primer and heavier, high viscosity solvent cement will provide a little more working time. Vigorously shake or stir the solvent cement before use.
7. There can be a greater expansion-contraction factor affecting the pipe in hot weather. We suggest you follow the advice of the pipe manufacturer regarding this condition. Anchored and final connections should be made during the cooler hours of the day.

