

## SAFETY PRECAUTIONS

### How Solvent Works

BETA solvent cement is a solution of resin in a mixture of solvents, which soften the surfaces when applied to PVC pipes and PVC fittings. It is not glue, as adhesion is due to the solidification of dissolved PVC polymer.

### Safety instructions

Solvent cement and priming fluids are highly flammable

In the event of fire, smother with sand or earth or use suitable fire extinguisher

Store solvent cements and priming fluid in a cool place away from heat, flames and sparks

Ensure can lids are tightly closed when not in use

Do not add any other ingredients or solvents to these products

Do not use solvent cements or priming fluid in confined spaces without adequate ventilation, or near open flames or sparks

Do not smoke while using these products

If spilt on skin, wash off with soap and water

If poisoning occurs, consult a doctor or Poisons Information Centre

Keep container sealed when not in use



### WARNING



- NEVER use compressed air or gas in PVC/CPVC/PP/PVDF pipe and fittings.
- NEVER test PVC/CPVC/PP/PVDF pipe and fittings with compressed air or gas, or air-over-water boosters.
- ONLY use PVC/CPVC/PP/PVDF pipe for water and approved chemicals.

Use of compressed air or gas in PVC/CPVC/PP/PVDF pipe and fittings can result in explosive failures and cause severe injury or death.

## JOINTING INSTRUCTIONS

Follow steps A-H carefully. Short cuts will result in poor joints that are likely to cause system failure. Do not work with hot pipes or on hot windy days without protecting pipes. Keep lid on to minimize evaporation. Use solvent cements within twelve months of the date stamped on the bottom of the can. If the solvent cement has become so thick that it does not flow easily, discard.



### A-Cut Spigot Square & Deburr



### B- Check Alignment



### C-Mark Clearly



### D- Clean & Soften the Surface



### E- Coat Socket First & Then Spigot



### F- Assemble – Hold for 30 Seconds



### G- Hold for Further 5 Minutes



### H- Cure & Test after 24 Hours.

## USAGE & CURING

Nominal Size	Amount of Solvent required Per Joint	No. of Possible joints in
Inch	gram	500g
1/2	1.3	384
3/4	2	249
1	2.5	199
2	3.2	155
3	5	99
4	7.2	68
5	12	41
6	15.5	31
7	26	18
8	49	9
10	75.5	6
12	108	4
14	136.5	3
16	166	2
18	195.5	2
20	225	2
22	254.5	1
24	284	1

### AVERAGE CURE TIME FOR BETA PVC

Temperature Range	Pipe Sizes 1/2" - 1-1/4"	Pipe Sizes 1- 1/2" - 2"	Pipe Sizes 2" - 8"	Pipe Sizes 8" - 15"	Pipe Sizes 15"+
60°F-100°F (15°C-40°C)	2 minutes	5 minutes	30 minutes	2 hours	4 hours
40°F-60°F (4°C-15°C)	5 minutes	10 minutes	2 hour	8 hours	16 hours