

FLO-TEK FLOWGUARD CPVC PIPING SYSTEMS

Frequently Asked Questions:

1 – What is CPVC?

A: Chlorinated polyvinyl chloride (CPVC), is a thermoplastic produced by chlorination of polyvinyl chloride (PVC) resin used for hot and cold water Piping systems. CPVC is the first choice of material for potable water supply across the world and is in use for more than 50 years.

2 – How to join CPVC Pipes and Fittings

A: Easy as 1, 2 & 3 CUT, GLUE & JOIN

3 – For how long CPVC has been installed worldwide?

A: For over 50 years with more than 300.000.000 meters of CPVC pipe installed worldwide. But in South Africa is a new piping system for Plumbing Hot & cold water applications.

4 - Is Flotek Flowguard CPVC pipe & Fittings suitable for Hot & Cold water applications?

A: Yes, The Flotek Flowguard CPVC Piping System is manufactured as per SANS ISO 15877 for an expected 50 years life span when used for Hot water temperature of 70°C @ 6 Bars of constant pressure, and short time exposure to 95°C @ 6 Bars in case of a geyser or boiler failure.

5 – What are the pipe and fittings sizes available?

A: Pipes and fittings are available in:

| | | |
|----------------|----------------|--------------|
| ½" (16mm OD) | ¾" (20mm OD) | 1" (25mm OD) |
| 1 ¼" (32mm OD) | 1 ½" (40mm OD) | 2" (50mm OD) |

Flotek Flowguard CPVC piping is also available on request 63 to 110mm OD for big projects.

5 – What is the PN rating for Flotek Flowguard CPVC pipes and fittings?

A: PN 20 for pipes and PN 25 for fittings.

5 – Can I use PVC solvent cement to join Flotek Flowguard CPVC pipes and fittings?

A: NO, only use the Flotek Yellow One Step Solvent cement specially designed to join CPVC pipes and fittings. The use of a non- Approved solvent cement will make the system failed in the joints and the guarantee will be void and null.

6 – Do we require to apply a Primer before use the yellow CPVC solvent cement?

A: NO, because the Flotek CPVC yellow solvent cement is a ONE STEP solvent cement.

7 – After installation using Flotek yellow CPVC solvent cement, how long I need to wait to open the water?

A: 60 minutes

8 – Can I install Flotek Flowguard CPVC pipes outdoor, exposed directly to the sun?

A: Yes, The main degradation process is dehydrochlorination, not oxidation. This dehydrochlorination, whilst slightly accelerated by U.V., does not break down the polymer chains to any significant extent after outdoor exposure, being mainly limited to a surface discoloration effect.

However for extra protection for CPVC pipes which are directly installed under harsh sunlight conditions, Flotek recommends to protect all pipes and fittings installed outdoors to prevent any kind of mechanical damage to the system.

9 – Can I connect CPVC directly to the Geyser?

A: It is recommended to follow SANS 10254 guidance for Geysers installations.

10 – How to do a transition from CPVC to Copper?

A: Using a special coupling transition as CPVC and Copper have different OD, for example Copper is 15mm OD and Flotek CPVC is 16mm OD.

11 – How is CPVC expansion in hot water, compared to other plastic piping systems?

A: Better due to a lower thermal expansion coefficient, when compared to PP-R and PE-X piping systems.

12 - What are the main advantages for a plumber to select Flotek Flowguard CPVC Piping system?

- **Fast and Easy installation on site**, no need for expensive tools or electricity to run fusion welding machine, just a wheel pipe cutter and the correct yellow Flotek CPVC solvent cement.
- **Cost effective**, CPVC has proven to be a cost effective piping system when compared to Copper.
- **No theft on site**, CPVC as a plastic piping system reduced the theft of piping systems on site
- **High Chlorine resistance in hot water**, when compared to metallic piping like Copper or G.I., as well compared to PP-R and PEX piping systems, CPVC is unaffected by the chlorine present in potable water supply.

For more information please visit www.flotekafrika.com or email us to info@flotekafrika.com