

# ashirvad

## PIPES

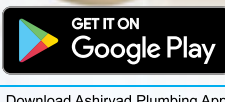
### CPVC PLUMBING SYSTEM

HOT WHEN YOU WANT IT. COLD WHEN YOU NEED IT.

#### WHY ASHIRVAD CPVC IS THE BEST CHOICE?

- ✓ Ideal for hot & cold water applications
- ✓ Can withstand max 28.1 bar pressure at 23°C & max 8.79 bar at 82°C
- ✓ Widest range of pipes and fittings from 1/2" to 6"
- ✓ Ashirvad CPVC FLOWGUARD® PLUS™ pipes and fittings are manufactured using NSF certified TempRite® 88619/88096 TAN 309/311 CPVC material from Lubrizol USA, inventors of CPVC technology.
- ✓ UV stabilised and designed for over 50 years life
- ✓ Regular lab testing of finished products in Europe & USA
- ✓ Tested, approved and used in India in the highest number of projects for over 10 years
- ✓ First to manufacture ISI marked CPVC Pipes (SDR 11 & 13.5, Sizes from 15 mm - 50 mm)
- ✓ First to come up with the alignment system

## WORLD'S LARGEST SELLING CPVC Pipes & Fittings



First in India to obtain ISI mark on CPVC pipes SDR 11 & 13.5 sizes from 15 mm - 50 mm



Design Registered Only with Ashirvad

**WARRANTY APPLICABLE ONLY IF ASHIRVAD FLOWGUARD® PLUS™ PIPES, FITTINGS & CPVC SOLVENT CEMENT ARE USED.**

**FLOWGUARD® PLUS**  
CPVC PLUMBING SYSTEMS™

FLOWGUARD is the registered mark of The Lubrizol Corporation. The Lubrizol Corporation is a Berkshire Hathaway Company.

## Ashirvad - Leadership You Can Trust

Ashirvad has been setting benchmarks for quality since 1975. The leader in the manufacture of PVC and CPVC piping systems, **Ashirvad Pipes is OHSAS 18001:2007, ISO 9001:2015 and ISO 14001:2004 certified and is a National Award winning company.** With its state-of-the-art factory spread over **50 acres**, the company has an **annual manufacturing capacity of 2,00,000 metric tons** and manufactures a complete range of high technology and superior quality plastic piping systems for domestic and agricultural use. **The manufacturing systems adhere to the highest level of international quality** for a maintenance free life.

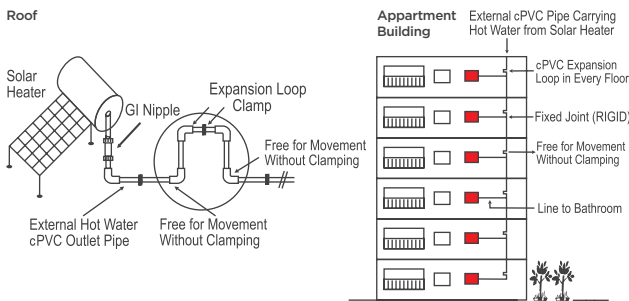
With its manufacturing base in Bengaluru, Ashirvad processes CPVC compound from Lubrizol to manufacture pipes and fittings, ensuring the highest international quality standards.

Class of Pipe/Fitting	Standard	Sizes Available
SDR 11 Pipe (class 1)	IS 15778 ASTM D2846	½" - 2"
SDR 13.5 Pipe (class 2)	IS 15778	½" - 2"
SCH 40 Pipe	ASTM F 441	2½" - 6"
SCH 80 Pipe	ASTM F 441	2½" - 6"
SDR 11 Fittings	ASTM D 2846	½" - 2"
SCH 40 Fittings	ASTM F 438	2½" - 6"
SCH 80 Fittings	ASTM F 439	2½" - 4"

	Operating Temperature	Operating Pressure
SDR 11	27°C	28.14 kg/cm <sup>2</sup>
	82°C	6.93 kg/cm <sup>2</sup>
SDR 13.5	27°C	22.23 kg/cm <sup>2</sup>
	82°C	5.61 kg/cm <sup>2</sup>

### Correct Installation in Solar Water Lines Carrying Hot Water from a Solar Heating System



#### ⚠️ Correct Installation in Solar Water Heater Lines

We do not recommend connecting CPVC pipes directly to the water heater outlet. First a one meter long metal nipple /GI pipe should be connected to the source so that the CPVC pipe is not damaged by the buildup of excessive radiant heat from the flue.

⚠️ **Expansion Loop:** For CPVC pipes, which are not embedded inside the wall, but are carrying hot water from boiler/solar water heater etc. it is most important to use ready-made expansion loop supplied by Ashirvad Pipes. Use one Ashirvad expansion loop for every 12 feet run of the pipe, between two fixed joints.

[www.ashirvad.com](http://www.ashirvad.com)

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For more information or customer care write to: [info@ashirvad.com](mailto:info@ashirvad.com) or Call +91 9902 333 333

ASHIRVAD FLOWGUARD® PLUS™ CPVC pipes are joined with the fittings using Ashirvad CPVC solvent cement, which is a single step fast setting solvent cement. The bonding takes place due to chemical fusion of the mating surfaces.

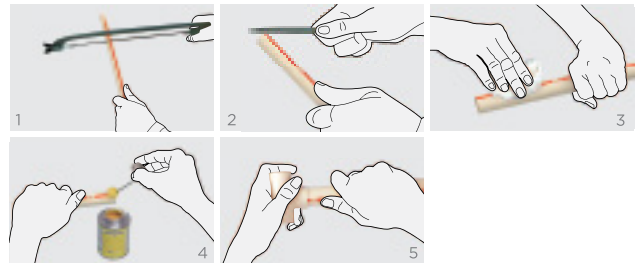
Ashirvad Solvent Cement eliminates the the need of electric or any heat source for joining. It also does not require the use of a primer for systems upto 2".

### Certifications for Ashirvad FLOWGUARD® PLUS™ CPVC Pipes, Fittings & Solvent Cement

NSF / ANSI 61	IAPMO - India	India	Pipes and Solvent Cement
BIS	Bureau of India Standards	India	Pipes
CFTRI	Central Food Technological Research Institute	India	Pipes and Fittings
CIPET	Central Institute of Plastics Engineering and Technology	India	Pipes, Fittings and Solvent Cement
UIPC-I	Uniform Illustrated Plumbing Code - India	India	Pipes, Fittings and Solvent Cement

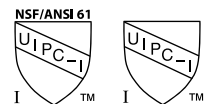
UIPC-I Certification from IAPMO - India (International Association of Plumbing and Mechanical Officials - India)

### INSTALLATION



	Set and Cure Time	Pressure
Ambient Temp.	Up to 12 kg/cm <sup>2</sup>	
17° to 48°C	1 hr	1½" to 2"
5° to 17°C	3 hrs	4 hrs
-20° to 5°C	8 hrs	16 hrs

Ashirvad CPVC pipes and fittings have excellent chemical resistance and can withstand salty and aggressive water condition with variations in PH value of water flowing through it. This eliminates both electrolytic and galvanic corrosion, leading to water purity over the entire life span of the CPVC piping system.



SMART WATER MANAGEMENT  
PLUMBING . SANITARY . AGRICULTURE

