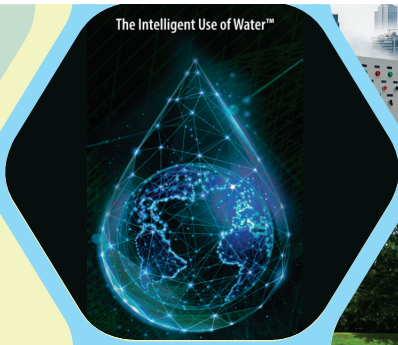


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Total Piping Solution

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Jeevan bhar ka saath...



uPVC High Pressure Plumbing System



Supreme "lead free" aqua Gold high pressure uPVC solvent weld plumbing system is an economical solution for transportation and distribution of potable water and many other applications. This hygienic and cost effective system is not only technically superior to conventional GI piping systems but offers many additional advantages over them. This system is very easy to install and functionally the most suitable for variety of plumbing applications. It has much longer life span besides being cost effective.

Product range

Pipes - 15 to 250mm (½" to 10") sizes in SCH 40 and SCH 80 pressure class as per ASTM D-1785

Fittings - 15 to 200mm (½" to 8") sizes in SCH 80 as per ASTM D-2467 and 15 to 50mm (½" to 2") sizes in SCH 40 as per ASTM D-2466.

(Pressure rating varies from 41.4 to 9.8 kgf/cm² for SCH 40 and 58.6 to 16.1 kgf/cm² for SCH 80 based on pipe size)

Fields of application

This system is designed for normal water application and is an ideal solution for potable water distribution, plumbing and water supply in residential and industrial buildings. It can be used for uptake lines, down take lines and loops on the terrace, water distribution mains, industrial process lines, sugar, paper, distillery industry, concealed pipe work and transportation of corrosive fluids.

FEATURES AND BENEFITS

Strong, resilient and long lasting - This system is highly resilient, tough and durable with high tensile and impact strength. It is also free from weaknesses caused due to rusting, weathering and chemical actions which helps it last considerably longer than GI pipe system.

Mechanical properties - uPVC pipes are relatively more flexible than conventional pipe system. They have adequate tensile strength and even burst strength to withstand the operating pressures encountered in most service conditions within the specified range of temperature for the system. External shocks or impacts that could cause a failure in more rigid materials, can be absorbed by the system.

Excellent chemical and corrosion resistant properties - This material is free from corrosion and has an excellent resistance against many chemicals like strong mineral acids, alkalis, salts as well as to a large number of organic solvents.

Light weight - Being light in weight (1/6th the weight of metal piping), these pipes are easy to handle, transport and install.

Simple and leak proof joints - Jointing can be done speedily

with the special solvent cement supplied by the company which ensures 100% leak proof joints.

Most suitable for carrying potable water - Being non-metallic and made from special compounds, this system is free from corrosion, chemical reactivity and biological effects and hence most suitable for potable water transportation.

Optimum flow rates - A mirror-smooth surface with C-value 150 ensures high flow rate and low frictional losses.

Piping system integrity - Supreme aqua Gold offers a complete range of pipe and fitting products which helps to maintain the integrity of the system.

Maintenance free - Being free from all the demerits of old systems like rusting, pitting, scaling, galvanic or electrolytic corrosion, the Supreme aqua Gold system can rightly boast of being maintenance free.

Overall economy - Maintenance free, long life of a product which is light, can be cut, jointed and installed with little effort saves a huge amount of money over its life time.

C-PVC Hot and Cold Water System

IS 15778:2007



Approved
by WRAS,
UK



Supreme Lifeline C-PVC, manufactured using world's best Japanese material and technology, is an ideal solution for hot and cold water usages. This system is one of the best substitutes for GI piping in water supply and distribution and for industrial applications. Choice of raw material and strict quality control in production, gives these products a high degree of reliability which makes Lifeline C-PVC a preferred choice of leading consultants, architects, builders, plumbers and quality conscious people across the country and abroad. This user-friendly and high-performance system is equipped with many outstanding features.

Product range

Pipes - 15 to 50mm (½" to 2") sizes in SDR 11 and SDR 13.5 as per IS:15778. 20 and 25mm (¾" and 1") sizes in SDR 9 as per company standards. 65 to 250mm (2½" to 10") sizes in SCH 40 and SCH 80 as per ASTM F-441.

Fittings - 15 to 50mm (½" to 2") sizes in SDR 11 as per ASTM D-2846 and 20 and 25mm (¾" and 1") sizes in SDR 9 as per company standards. 65 to 200mm (2½" to 8") sizes in SCH 40 and SCH80 as per ASTM F-438 and F-439 respectively.

Fields of application

Lifeline C-PVC is designed for hot and cold water supply in residential, commercial and public projects, high and low rise buildings, corporate houses and academic institutes, solar heater applications etc. It is suitable for all uptake and down take lines, terrace looping including concealed pipe work applications.

FEATURES AND BENEFITS

High quality and wide range - The system consists of pipes and a wide range of fittings with company manufactured, NSF approved international quality solvent cements, which makes the system complete in all respect.

Excellent resistance to corrosion and chemical attacks - Lifeline is completely free from corrosion and offers excellent resistance to great number of chemicals like strong mineral acids and bases.

Most suitable for carrying potable water - Being free from corrosion and negative biological effects it does not break down even under the harshest water conditions and hence the quality of water never deteriorates.

Light weight, easy and quick assembly - Light weight and simple solvent cement joining methods results in extensive saving on time, labour and costs.

Tough and rigid material - C-PVC has a much higher strength modulus than other thermoplastics used in plumbing applications. Due to its tough and rigid material property,

Lifeline can withstand higher pressures and temperatures. It requires lesser supports with minimum offsets/looping.

Leak proof joints - Jointing with special solvent cement manufactured and supplied by the company ensures 100% leakproof joints.

Low thermal expansion - As co-efficient of thermal expansion is low, expansion due to temperature variations is reduced and hence unsightly snaking of pipes can be avoided.

Superior insulation properties - Lifeline has better insulation properties than metal pipes which reduces heat loss and consequent insulation costs.

Fire resistance - Lifeline C-PVC does not support combustion.

Maintenance free - Being free from rusting, pitting or scaling and galvanic or electrolytic corrosion, maintenance is minimal.

Highly economical in long run - This system is more cost effective than any other plumbing systems in the long run.

Polyethylene Piping System



Supreme polyethylene pipes are a safe, long lasting and cost effective solution for potable water supply, irrigation and bore well application. Supreme HDPE pipes are manufactured from virgin raw material with the help of state of the art manufacturing facilities. Stringent tests on raw material and finished goods ensure the quality as per national and international standards. The pipes and fittings are available in complete range from 20 to 800mm sizes. The pipes are available in PN 2.5 to PN 16 pressure class in PE 63, PE 80 and PE 100 grades. Supreme PE pipes are manufactured according to IS:4984 and ISO:4427. Supreme PE pipes are tested by WRC-NSF, UK, to endorse its suitability for potable water.

Product range

- Pipes
- 20 to 800 mm PE 63, 80, 100 grades as per IS:4984 in 2.5 to 16 kgf/cm² pressure class.
 - 63 to 630 mm PE 63, 80, 100 grades as per IS:14333 in 2.5 to 16 kgf/cm² pressure class.
 - 200 to 450 mm PE 100 co-extruded tracer pipes for drinking water purpose in 6 kgf/cm² pressure class.

Fittings- All the compatible fittings are made available in handmade form to cater all system requirements.

Fields of application

Potable water mains, house connections, irrigation and agriculture, sprinkler and drip irrigation, underground drainage and sewerage, coal handling in mines, Industrial applications, column pipes for submersible pumps in coil form.

FEATURES AND BENEFITS

- High reliability and proven service performance
- Excellent chemical and corrosion resistance
- Excellent flow characteristics
- High impact strength
- Long service life
- Excellent UV, low temperature and abrasion resistance
- Excellent water hammer resistance
- Excellent weld-ability
- Wide variety of installation methods
- Easy, quick and economical installation
- Ideal in shifting soil condition and earthquake prone areas

Solvent Cements and Adhesives

SILBOND™ Solvent Cements and Primers *For an everlasting bond*

uPVC Solvent Cement



C-PVC Solvent Cement



The quality of solvent cement plays very important role in solvent weld plumbing. The quality of solvent cement has total influence on the joint strength. Considering this important fact, company has started manufacturing solvent cement under its own stringent quality checks. This ensures consistency in quality of solvent cement thereby reassuring the end user about the leak proof joints on a long term basis. 'SILBOND' solvent cement is available for both uPVC aqua Gold high pressure plumbing system as well as for Lifeline C-PVC hot and cold water system. uPVC solvent cement is certified by BIS and NSF (USA) whereas C-PVC solvent cements is certified by NSF (USA).

'SILAID' rubber lubricant used while making rubber seal joints along with 'BLUESIL' thread sealant for threaded joints is also made available.

SILAID Rubber Lubricant *For an easy joints*



BLUESIL Thread Sealant



Product range

- Silbond PVC Solvent Cement- 7ml to 5000ml packing as per IS:14182 and ASTM D 2564 standard in regular, medium and heavy bodied varieties.
- Silbond C-PVC Solvent Cement- 15ml to 1000ml packing as per ASTM F 493 and D 2846 standard in medium and heavy bodied varieties.
- Silbond Primer- 100ml to 1000ml as per ASTM F 656 (essentially required for 2½" and above size pipes.)
- Silaid Rubber Lubricant - 100, 250 and 500gms.
- Bluesil Thread Sealant - 100, 250, 500 and 1000gms.

Fields of application

Silbond solvent cement for making solvent weld joints, Silaid rubber lubricant for making rubber seal joints and Bluesil thread sealant for making threaded joints.

FEATURES AND BENEFITS

- High quality performance: Excellent installation properties.
- Meets and exceeds ASTM/BIS standard requirements.
- Available through nationwide network of customer focused distributors and dealers.
- Laboratory equipped with latest technology and a set up having capability to perform BIS and ASTM tests for quality assurance and product development.
- Products are thoroughly tested and made to exceed standard requirements.
- A fully automated modern plant built to manufacture solvent cements, primers, lubricants and thread sealants.
- The containers (Tin) has unique design with the neck and cap with integral brush in plastic material. This ensure air tight closure and eliminate any contaminations.
- All varieties of solvent cements are certified by NSF, USA.