



The complete underground uPVC Sewer Pipe System

Flowline is a suitable solution for underground drain and sewer applications in homes, commercial plazas, community buildings, and so on. This easy push-fit rubber ring jointing system is durable, corrosion free and lightweight. Flowline is the first uPVC based underground sewer pipe system in Pakistan that conforms to international quality standards.

MATERIAL & SPECIFICATIONS

- Material

Flowline pipe system is manufactured from unplasticised Polyvinyl Chloride (uPVC) compound. Flowline pipes and fittings are terra cotta (orange brown) in colour due to which they can be easily distinguished.

- Standard Specifications

Flowline pipes and fittings are manufactured in accordance with EN 1401.

RANGE

Flowline pipes and fittings are available in the following sizes in standard lengths of 3 & 4 meters:

Nominal Outside Diameter OD (mm)	Mean Outside Diameter OD _{min-max} (mm)	Min Wall Thickness (mm) SN 8, (SDR 34)	Min Wall Thickness (mm) SN 4, (SDR 41)
110	110.0 - 110.3	3.2	3.2
160	160.0 - 160.4	4.7	4.0
200	200.0 - 200.5	5.9	4.9

(Wall thickness and outside diameter refers to pipes only)

A complete range of rubber ring (R/R) injection molded fittings is available that are imported from Wavin Overseas, b.v., of the Netherlands, one of the world's leaders in thermoplastic pipe systems.

FEATURES & BENEFITS

- Efficient Disposal

Exceptionally low friction and smooth inside surface of Flowline minimizes the build up of deposits commonly seen in conventional sewer pipe systems.

- Low Bacterial Growth

All conventional sewer pipes collect a coating of algae or slime. Flowline offers fewer grips for slime.

- Thermal Expansion/Contraction

Flowline pipe system with rubber ring socket joint allows natural provisions against thermal expansion.



- **Non-Corrosiveness and Chemical Resistance**
One of the most remarkable features of Flowline is its non-corrosiveness. It resists chemical reactions from acids, alkalis and salt solutions.

- **Lightweight and Easy to install**
Flowline pipes are light weight and easy to install. This leads to lower transportation and installation costs.

- **Leak free**
Flowline has water tight connections. There is little or no chance of infiltration of ground water or pollution of ground water.

- **Easy to Maintain**
Flowline pipe systems are easy to access after installation for inspection, cleaning, repairs, etc.

INSTALLATION

Flowline pipe systems are easy to install because of the rubber ring socket connections.

- **Rubber-ring/Push fit jointing**
For jointing by means of rubber ring/push fit jointing, the cut end of the pipe should be de-burred and the spigot or plain ended fitting should preferably be chamfered. This is important to avoid displacement of the rubber ring. When the parts are clean, lubricant (soap & water solution) should be applied on the pipe or fitting spigot end and rubber ring, after which the part can be fully pushed in to the socket.

JOINING uPVC TO VARIOUS OTHER MATERIALS

As uPVC is inert to any other material for joining purpose, a 'cement base' is required to join other than u PVC material.

- uPVC solvent cement, medium size sand particle and brush is required to prepare the jointing surface.
- Apply u PVC solvent cement to the place, to be used for joining with other material.
- Sprinkle medium sized sand particles over the uPVC solvent cement and let it dry. A cement base is ready for jointing.

Note: Dadex Technical Department should be consulted for detailed installation instructions and all necessary technical data.

This product is currently only available in Karachi.

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Disclaimer: All information in this literature is given in good faith. The user, should, however, check that the product is suitable for purpose, in the application for which it shall be used. Please ensure compliance with all health and safety requirements. Whilst continuing its programme of continuous development, Dadex, reserves the right to modify or extend any published information without any prior notification. No responsibility can be accepted for any error, omissions or incorrect assumptions.

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