



**Puraflex**  
Industries



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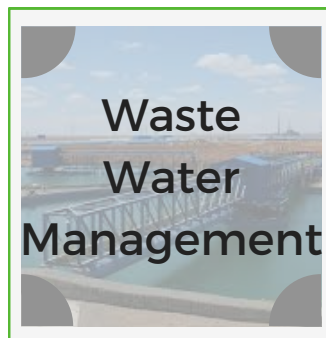
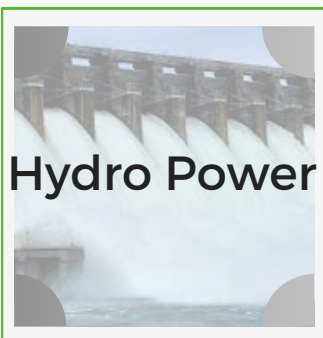
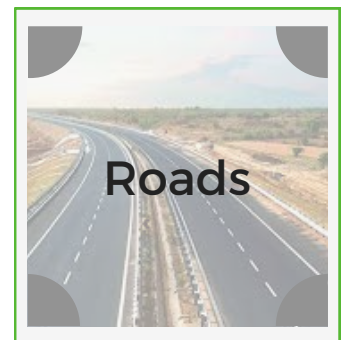
## ABOUT

Puraflex Industries is a leading manufacturer of PVC Water Stop Seals, PVC Pressure Relief Valve, PVC Pipe, HDPE Pipe, LDPE, and HDPE Sheets/Geo Membrane based in Noida, Uttar Pradesh (India). Our strong commitment to quality encompasses the entire production process, from receiving raw materials to in-process inspection and maintenance of facilities, ensuring consistent quality and an exceptional final product. Our products are approved by the Bureau of Indian Standards and other certified bodies.

## MISSION

Our mission is to provide innovative and cost-effective solutions to our clients. We aim to deliver high-quality products that enhance the efficiency and sustainability of our industries. Our commitment to quality, innovation, and customer satisfaction drives us to deliver the best products and services in the market.

## INDUSTRIES WE SERVE



# PVC WATERSTOP

PVC Waterstop seals by PURAFLEX INDUSTRIES are integral to the durability of concrete structures. Embedded in concrete joints, they form a fluid-tight barrier. Our waterstops, known globally for their quality, offer unparalleled resistance to ozone, oxygen, alkalies, and various chemicals. Made from high-grade PVC resin extrusions, they promise longevity.

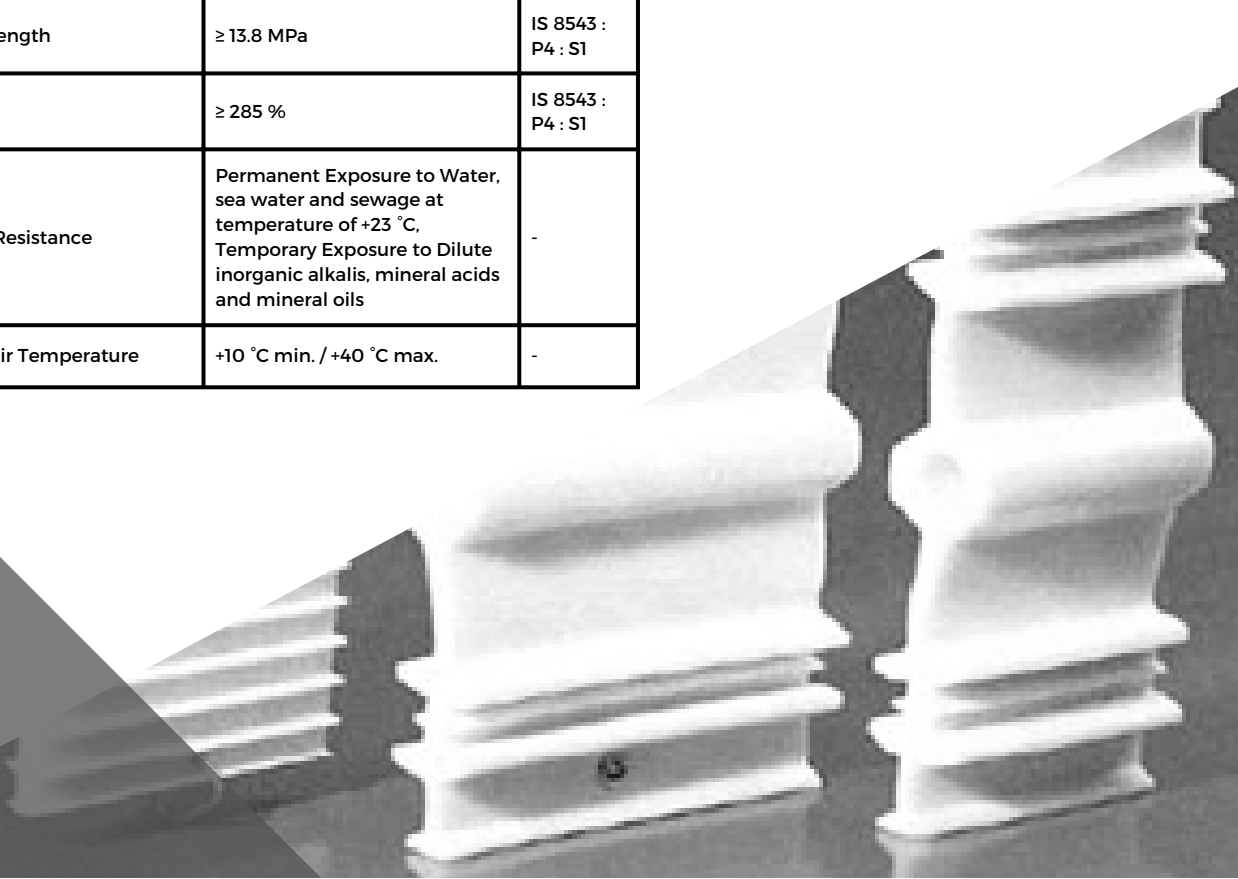
## USAGE

- Retaining Walls
- Water & Waste Water Treatment Plants
- Subways, Tunnels & Culverts. Dams, Canals & Water Reservoirs
- Foundation, Basements, Underground parking
- Drainage and Sewerage Concrete structures (Sewerage Treatment Plants)

## ADVANTAGES

- High Tensile Strength
- Superior Elongation Capacity
- High Elasticity
- Resistance to Corrosion
- Low Water Absorption
- Easy to Install
- Versatility
- Durability
- Excellent Impermeability

| Property                | Value  | Standard            |
|-------------------------|--|---------------------|
| Chemical Base           | Plasticized Polyvinyl Chloride (PVC-p)   | -                   |
| Packaging               | Width: 230 mm, Thickness: 8 mm, Length: 25 m   | -                   |
| Shelf Life              | 12 months from date of production  | -                   |
| Storage Conditions      | The product must be stored properly in original, unopened, and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +30 °C. Protect from direct sunlight. | -                   |
| Appearance / Colour     | Ribbed profile / Black or Blue   | -                   |
| Shore A Hardness        | ≥ 65   | IS 13360 : P5 : S11 |
| Tensile Strength        | ≥ 13.8 MPa   | IS 8543 : P4 : S1   |
| Elongation              | ≥ 285 %  | IS 8543 : P4 : S1   |
| Chemical Resistance     | Permanent Exposure to Water, sea water and sewage at temperature of +23 °C, Temporary Exposure to Dilute inorganic alkalis, mineral acids and mineral oils                           | -                   |
| Ambient Air Temperature | +10 °C min. / +40 °C max.  | -                   |



# HDPE SHEET /GEOMEMBRANE

PURAFLEX INDUSTRIES, with 30 years of expertise, offers low-permeable synthetic geomembranes widely used in solid waste containment, mining, and water containment applications. The product range includes Smooth Geomembrane and Textured HDPE Geomembrane, which are ideal for various environmental, civil, and industrial applications. These high-quality geomembranes are ISO certified and have passed CIPET testing, ensuring their reliability and effectiveness. The commitment to product innovation, quality assurance, and customer satisfaction is a long-term promise to our global clientele, making PURAFLEX a trusted name in the industry.

## ADVANTAGES

- Ease of molding and shaping
- Durability in all environmental conditions
- Good mechanical strength and toughness
- Very good tear strength and elongation
- Excellent resistance to abrasion
- Good barrier to moisture
- Excellent UV resistant
- Very good impermeable properties

## SMOOTH GEOMEMBRANE

Smooth Geomembrane HDPE Liner is designed and made of high-quality polyethylene resin with proportional carbon black antioxidant, anti-aging, and UV-resistance materials that exhibit impermeable and ultraviolet resistance properties. Compared with traditional concrete and compacted clay, smooth geomembranes have proven more cost-effective, safe, and fast deployment. They are widely used for solid waste landfills, waste containment, aquaculture, water treatment system, etc.

## TEXTURED GEOMEMBRANE

Textured Geomembrane HDPE Liner is designed and fabricated with an either single-sided or double-sided textured surface to provide superior high shear strength, big friction angles, outstanding elongation, and the highest interface surface friction coefficient, etc. PURAFLEX textured geomembrane liners are widely applied for such projects which require increased friction between two layers and high steeper slopes as landfills, mining, retaining backfills and waste containment.



# HDPE PIPE

Puraflex HDPE pipes are a modern solution for advanced piping systems. Manufactured from superior HDPE material, these pipes are known for their flexibility, durability, and resistance to chemicals and environmental conditions. Puraflex HDPE pipes are ideal for various applications in water supply networks, gas distribution systems, sewerage systems, and other industrial applications. Their high resistance to high and low temperatures makes them suitable for use in all climates, showcasing their high performance and longevity.

## ADVANTAGES

- High Durability
- Chemical and Corrosion Resistance
- Flexibility
- Wide Range of Sizes
- High-Pressure Ratings
- Cost-Effective
- Environmentally Friendly
- Low Maintenance
- Versatile Applications
- Long Lifespan

## USAGE

- Water Supply Networks
- Gas Distribution Systems
- Sewerage Systems
- Drainage Systems
- Irrigation Systems
- Industrial Applications

| Material | Sizes          | Pressure Ratings  | SDR               | Application                                      | Temperature Resistance | Chemical Resistance                  | Durability                        |
|----------|----------------|-------------------|-------------------|--|------------------------|--------------------------------------|-----------------------------------|
| HDPE     | 20mm to 1200mm | Varies by product | Varies by product | Water supply, gas distribution, sewerage systems | Varies by product      | High resistance to various chemicals | High durability and long lifespan |



# PVC PIPE

Puraflex PVC Pipes are high-quality pipes designed for various applications in plumbing, irrigation, and industrial systems. Made from premium-grade PVC material, these pipes offer excellent durability, chemical resistance, and ease of installation. With their superior performance and reliability, Puraflex PVC Pipes are the ideal choice for your piping needs.

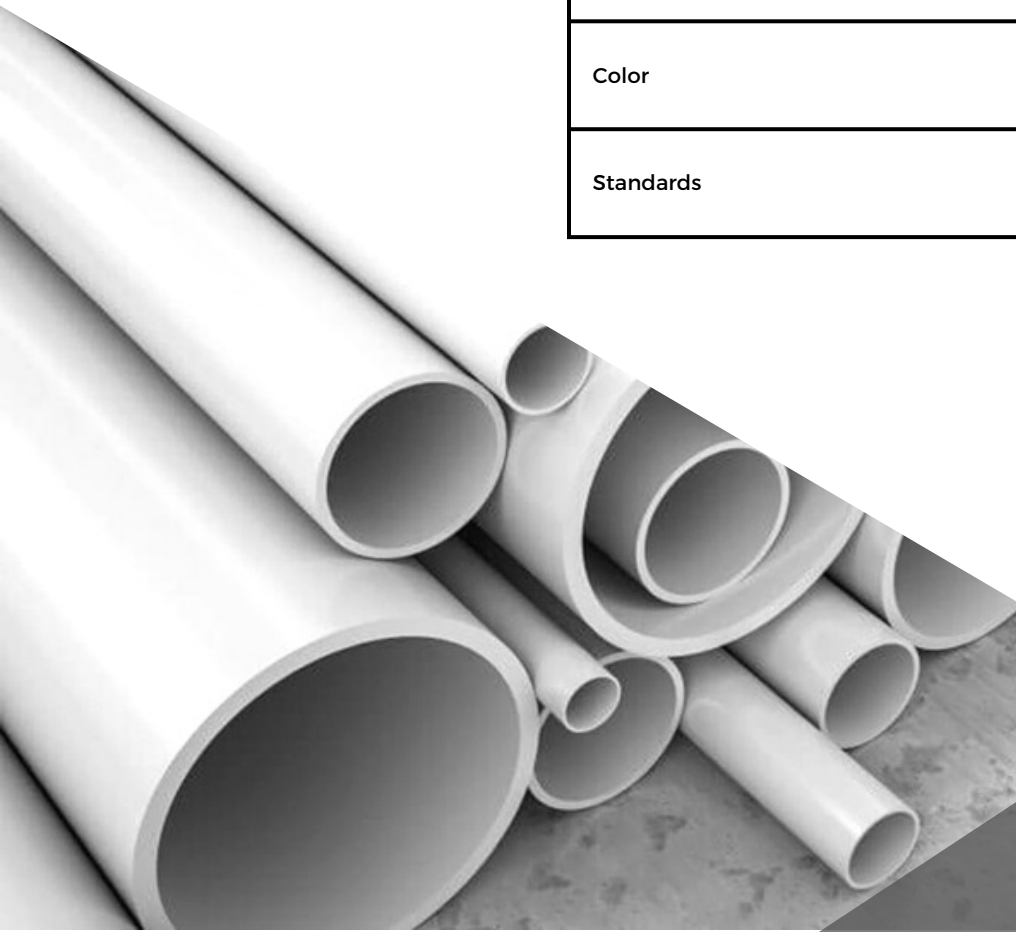
## USAGE

- Plumbing systems
- Irrigation systems
- Industrial piping
- Drainage systems
- Water supply networks

## ADVANTAGES

- High durability and long lifespan
- Resistance to chemicals and corrosion
- Lightweight and easy to handle
- Smooth flow and low friction loss
- Leak-free joints for reliable performance

| Parameter       | Value                                       |
|-----------------|---|
| Material        | PVC   |
| Sizes           | 20mm to 400mm                               |
| Pressure Rating | Up to 16 bar                                |
| Length          | 6m standard, custom lengths available       |
| Color           | Grey, White, or as per customer requirement |
| Standards       | IS 4985, ISO 4422, DIN 8062, ASTM D 1785    |



# PVC PRESSURE RELEASE VALVE

Puraflex's PVC Pressure Release Valve is a crucial device that manages water flow within structures, preventing back leakage. It safeguards the structure from potential damage by efficiently releasing excessive hydrostatic back pressure.

## SENSITIVITY

The sensitivity of the Puraflex PVC Pressure Release Valve is notable. It starts functioning at a differential head of 2-3cm, significantly surpassing the standard 10cm. This high sensitivity ensures efficient water management and structural integrity. The standard 10cm. This high sensitivity ensures efficient water management and structural integrity.

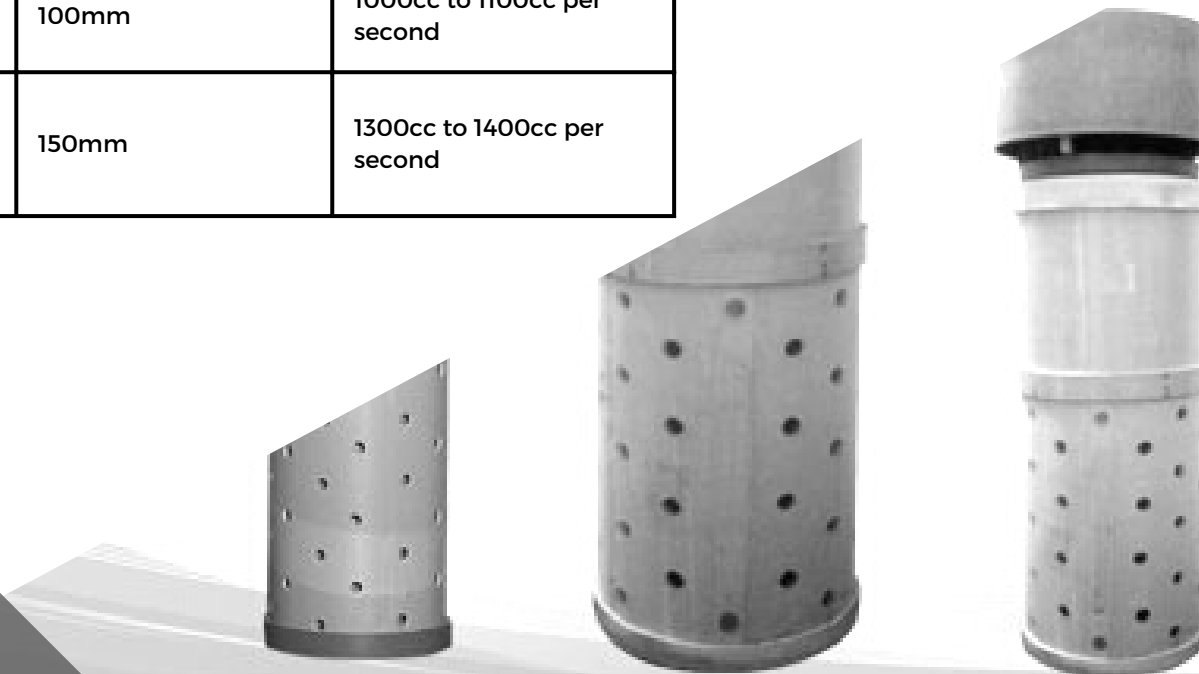
## INSTALLATION

The installation of the Puraflex PVC Pressure Release Valve, positioned 4-5 inches below the canal lining, makes it invisible and resistant to theft. Options to refill the unfilled portion on top of the fitment with porous concrete or to place a perforated cement jail make the fitment undetectable, ensuring its proper functioning.

## ADVANTAGES




- Negligible Silt Deposition
- Zero Back Leakages
- Unobstructed Water Flow
- Theft-Resistant Installation
- High Sensitivity

| Product Type                                 | Size  | Discharge                   |
|--|-------|-----------------------------|
| Flap Type Water PVC Pressure Release Valve   | 50mm  | 400cc to 500cc per second   |
| PVC Pressure Release Valve, For Irrigation   | 90mm  | 750cc to 850cc per second   |
| PVC Pressure Release Valves                  | 100mm | 1000cc to 1100cc per second |
| PVC Pressure Relief Valve, For Water Fitting | 150mm | 1300cc to 1400cc per second |



# Delivering Quality and Innovation in Every Project.



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