



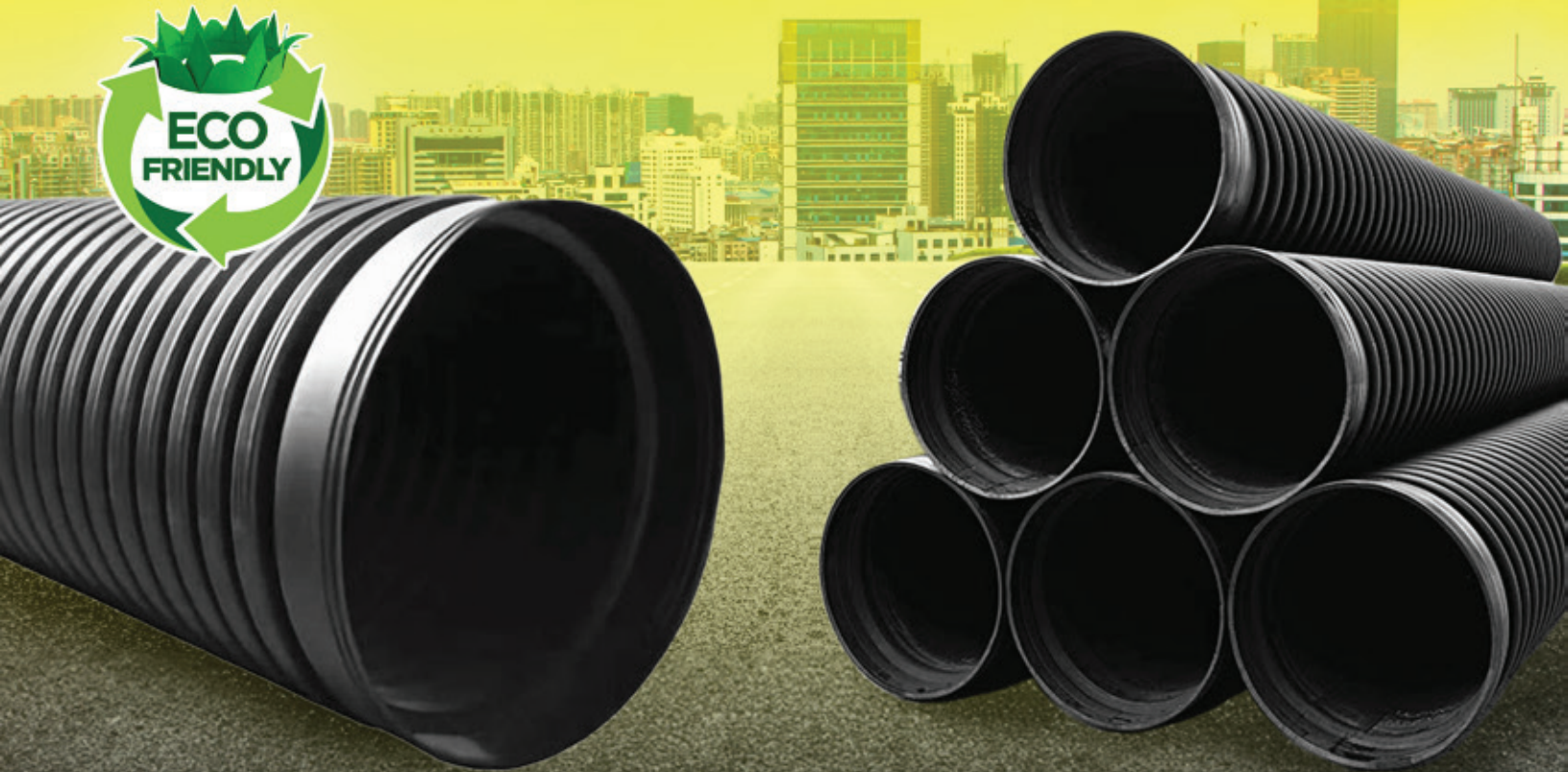
CROWN[®] PIPES

PUTTING SAFETY AND QUALITY FIRST



CROWN HDPE STRUCTURED WALL

HIGH DENSITY POLYETHYLENE PIPES
DIN 16961 • ASTM F894 • ASTM F449 • ASTM F2648



Product Applications:

- Sanitary and Storm Sewers / Stormwater Detention
- Underground Drainage
- Railroad Drainage
- Public Works, Private Subdivision, and Highway Drainage
- Seaport Underground Drainage
- Airport Drainage and Power Plant Outfall Pipeline
- Irrigation Water Supply, Water Tank Reservoir, and Water Storage System
- Landfill and Stormwater Pipelines
- Petrochemical Plant
- Penstock Pipeline for Hydropower and Headrace for Hydropower
- Hydroelectric Projects
- Marine Installations
- Geothermal Vaults

Standard length of 6 meters making it easier to store, handle and transport.

A QUALITY PRODUCT MANUFACTURED BY :



CROWN ASIA CHEMICALS CORPORATION

Plant : Km. 33, Mc Arthur Highway Tuktukan, Guiguinto, Bulacan : (044) 794-0268 to 70 • Valenzuela Plant & Office: ITC Compound Canumay East, Valenzuela City : 8277-0880 loc. 122 - 132
Quezon City Office: Unit 506 President Tower, 81 Timog Avenue, Quezon City : 8294-2071 loc. 103 - 107

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The **CROWN STRUCTURED WALL HDPE Pipe** is a high-density polyethylene piping system with thermal properties and chemical resistance, offering high flow capacity, longer life-cycle, non-corrosiveness, resistance to weather and environmental stress, flexibility, and toughness, with a smooth inside and a profiled outside for better performance and durability.

TECHNICAL DATA (PIPE DIAMETER)

CROWN STRUCTURED WALL HDPE Pipes are easily manufactured through a semi-automated process, available in sizes and internal diameters (ID) ranging from DN 400mm to DN 3500mm.

LOAD BEARING AND NON-LOAD BEARING

1. **NON-LOAD BEARING (NLB)** – products that withstand Dead/Earth Loads and Surcharge/Permanent Loads
2. **LOAD BEARING (LB)** – products that can handle Dead/Earth Loads, Surcharge/Permanent Loads, and Live Loads (e.g., traffic loads).

PIPE DIAMETER SIZES	
DN / ID	DN / OD RANGE
400 mm	410 - 560 mm
500 mm	510 - 660 mm
600 mm	610 - 760 mm
800 mm	810 - 960 mm
1000 mm	1010 - 1160 mm
1200 mm	1210 - 1360 mm
1500 mm	1510 - 1660 mm
1800 mm	1810 - 1860 mm
3000 mm	3010 - 3160 mm
3500 mm	3510 - 3660 mm



BENEFITS OF USING CROWN STRUCTURED WALL PIPE:

- **ENHANCED DURABILITY:** CROWN STRUCTURED WALL Pipe offers long-lasting performance and resistance to wear, ensuring a prolonged service life even in harsh environments.
- **SUPERIOR STRENGTH:** These pipes are designed to withstand high loads and pressures, providing structural integrity and reliability for various applications.
- **RESISTANCE TO CORROSION:** CROWN STRUCTURED WALL Pipe is resistant to corrosion, making it suitable for use in corrosive environments such as wastewater systems and industrial applications.
- **RESISTANCE TO ABRASION:** These pipes are highly resistant to abrasion, ensuring minimal wear and tear even under high-flow conditions, making them ideal for applications with abrasive substances.
- **EASE OF INSTALLATION:** With their lightweight design and flexible construction, CROWN STRUCTURED WALL Pipe is easy to handle and install, reducing labor costs and installation time.
- **COST-EFFECTIVENESS:** The durability, longevity, and low maintenance requirements of these pipes contribute to cost savings over their lifecycle compared to traditional piping materials.
- **VERSATILITY FOR VARIOUS APPLICATIONS:** CROWN STRUCTURED WALL Pipe is suitable for a wide range of applications including drainage, sewage, culverts, stormwater management, and more, offering versatility in infrastructure projects.
- **LONG-TERM PERFORMANCE RELIABILITY:** With their robust construction and resistance to environmental factors, CROWN STRUCTURED WALL Pipe delivers consistent performance over time, minimizing the need for repairs or replacements.
- **ECO-FRIENDLINESS:** CROWN STRUCTURED WALL Pipe is environmentally friendly, as it can be recycled and contributes to sustainable development practices by reducing carbon footprint and resource consumption.

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