



WEHOLITE ROAD AND RAIL CULVERTS

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Weholite Culverts from Plasco Limited, are flexible, lightweight and durable structured wall pipes made from high density polyethylene (HDPE) resin. Plasco Limited manufactures Weholite HDPE pipe at their factory in Dar es Salaam, Tanzania. Under the license from Uponor Infra Oy of Finland.

The excellent abrasion resistance and flexibility of the PE material make Weholite a truly multi-functional pipe; quick and easy to install thanks to its design and light construction.

ADVANTAGES OF WEHOLITE HDPE STRUCTURED WALL PIPES

- › Light weight
- › Easy to handle
- › Tolerant to ground movement
- › Superior hydraulic design & properties
- › Good chemical & abrasion resistance
- › Quick to install
- › Range of ring stiffness options available (2,4,8 kN/m²)
- › Ability to withstand high loads

Weholite pipes are suitable for gravity and low-pressure applications. The corrosion and abrasion resistant properties of HDPE provide a very durable pipe. Flow rates for Weholite can be calculated using the Colebrook White formula, with a Roughness Coefficient (ks) of 0.03 mm. Polyethylene does not readily bond with or adhere to other materials, hence siltation and sliming do not occur in the way they do in traditional materials and long-term flow characteristics remain constant.

Standard Specifications for Weholite pipes

Internal Diameter (mm)	Standard Pipe Lengths (Meters)	Pipe Stiffness Class (kN/m ²)**
350	3,6,12	4,8
400	3,6,12	4,8
450	3,6,12	4,8
500	3,6,12	2,4,8
600	3,6,12	2,4,8
700	3,6,12	2,4,8
800	3,6,12	2,4,8
900	3,6,12	2,4,8
1000	3,6,12	2,4,8
1050	3,6,12	2,4,8
1200	3,6,12	2,4,8
1500	3,6,12	2,4,8
1600	3,6,12	2,4,8
1800	3,6,12	2,4,8
2000	3,6,12	2,8
2200	3,6,12	2,4
2400	3,6,12	2,4
3000	3,6,12	4