

WEHOLITE SPIRO



Versatile lightweight pipe system
for gravity and low-pressure applications

KWH
PIPE



Now manufactured in Oman under licence of **M/s KWH PIPE** Finland by

Amiantit Oman Co. L.L.C.

P.O.Box 417, Central Post Office, Postal Code 111, Sultanate of Oman

Telephone : (+968) 2444 5800, 2444 6600, Fax : 2444 6611

e mail : amian@omzest.com - Website : www.amiantitoman.com

Weholite Spiro

Lightweight pipe system

Polyethylene is recognised by clients and engineering consultants alike as the ideal pipe material for many pressure and non-pressure applications from water distribution to gravity sewers, rehabilitation projects and manholes, as well as marine pipeline applications.

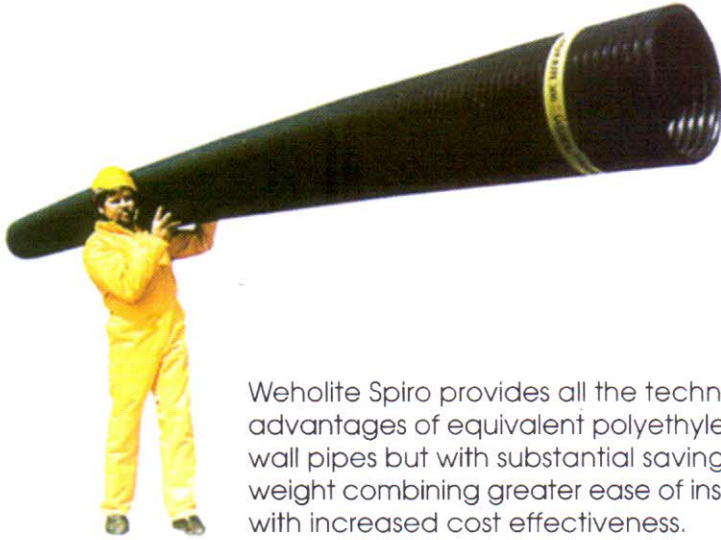
Recognising clients' needs for large diameter lightweight low-pressure pipes and fittings, KWH Pipe Ltd. developed Weholite Spiro, a pipe constructed using a patented structured wall process, making it possible to manufacture diameters up to 3000 mm.

Polyethylene has outstanding advantages over conventional materials, such as:

- *corrosion resistance*
- *non toxic*
- *long service life*
- *light weight*
- *flexibility*
- *impact strength*
- *weldability*
- *abrasion resistance*

Physical properties for Weholite pipe (+20 °C)

Property	Unit	Value
Density	kg/m ³	>930
E-modulus (short term)	N/mm ²	800
Thermal linear expansion coefficient	mm/m°C	0.2
Thermal conductivity	W/m°C	0.3-0.4
Ring stiffness short term	kN/m ²	>4
Long-term temperature of the pipe medium	°C	+45
Short-term temperature of the pipe medium	°C	+80



Weholite Spiro provides all the technical advantages of equivalent polyethylene solid wall pipes but with substantial savings in weight combining greater ease of installation with increased cost effectiveness.

Weholite Spiro pipe represents the latest advances in both material and manufacturing techniques. Its unique structure can offer a range of pipe sizes and ring stiffness, depending on customer requirements. Raw material properties and product technology have been combined to provide a lightweight engineered pipe with superior loading capacity for various applications in municipal, industrial, road construction, rehabilitation and marine pipeline applications.

Weholite Spiro is today manufactured in Europe at our main factory in Finland as well as in Sweden, Poland, Denmark, and Portugal. We currently have production facilities in Canada, India, Malaysia and Thailand. KWH Pipe Ltd. has granted manufacturing licenses to UK, Italy, South Africa and Oman.

For technical advice and information please contact your local KWH Pipe office.



