FLOWTITE GRP PIPE SYSTEMS FROM AMIANTIT FOR WATER TRANSMISSION AND DISTRIBUTION HAVE PROVED TO BE EXCELLENT FOR THE TRANSPORT OF CLEAN WATER AND RAW WATER. NO HEALTH RISKS AND A LONG SERVICE LIFE IS GUARANTEED.

We are specialized in providing convincing water / raw water solutions for:
- Communities and food industries
- Water extraction (e.g. desalination) and industrial applications
- Agricultural purposes

### PRODUCTS & SERVICES

| Pipe range | • Flowtite GRP standard pipes and fittings up to 4 000 mm  
| • Pressures up to 32 bar, depending on pipe diameter  
| • Standard stiffness classes SN 2500; SN 5000 and SN 10000; other stiffness classes available on request  
| • Standard lengths of 3, 6 and 12 m; individual lengths are available on request; limited only by local transport regulations |

For challenging projects we also offer our premium pipe, Flowtite Grey, a high impact GRP pipe. It’s more impact-resistant, has a better abrasion resistance and allows higher pressures at water jet cleaning. It’s available in diameters up to 4 000 mm, with nominal pressures between 6 and 25 bar and a stiffness of SN 5000, alternatively SN 10000.

| Joints | • GRP pipe sections are typically joined using a double bell coupling based on REKA system. It is extensively tested and qualified in accordance with international standards such as ASTM D4161, ISO DIS8639 and EN1119  
| • Depending on application and project requests, other joining systems such as lamination, lock-joint couplings, adhesive and mechanical couplings are available.  
| • Available is also a special, high angular coupling system that allows 3º for the whole diameter range, designed to enable complex, curved pipeline layouts. |

| Fittings | Amiantit offers a wide range of standards GRP fittings and accessories, including bends, tees, branches, flanges, special manholes for valves and standard connectors. The high flexibility of the GRP materials used allows an unlimited, individual and tailor-made manufacturing of fittings and spools, based on customer requirements. |

| Services | Amiantit offers outstanding experience and support in the design and development of water / raw water solutions including assistance in:  
| • Project engineering, penstock line and spools design  
| • Hydraulic calculations  
| • Stress analysis for underground and aboveground installations  
| • Installation and calculation of supports and anchorages  
| • Jobsite supervision  
| • Hydraulic testing  
| • Pipeline inspection |
Flowtite GRP pipes for water / raw water applications provide quality and best cost solutions to customers around the world with many advantages and a long list of features and benefits:

- Hydraulic characteristics essentially constant over time.
- Smooth inner surface resulting in low maintenance costs.
- Long service life. With an expected service life of more than 150 years.
- Unique and constant product features in extremely hot and cold climate.
- Low head-loss due to smooth inner surface.
- Pressure of water hammer approx. 50 % less, compared to steel or DIP at similar conditions.
- UV resistance. No need for linings or coatings.
- Excellent corrosion resistance. No need for cathodic protection or corrosion surveys.
- Tailor-made solutions in regard of pipe design and product properties to meet all customer and project requirements.
- Stringent performance standards.

**BENEFITS**

**QUALITY & CERTIFICATION**

Flowtite GRP pipe systems meet the demands of many important local and international quality standards. Our manufacturing sites are monitored regularly by third parties and have official certifications such as ISO 9001, ISO 14001 and others.

Flowtite GRP standards pipe systems are approved according to AWWA, CEN, ASTM, DIN, BSI, ISO, ATV, EN and other international / local standards and certifications. Among the local approvals are:

- TÜV SÜD (Germany)
- AENOR (Spain)
- CSTB (France)
- COBRTI INSTAL (Poland)
- OTEC Riera (Spain)
- ACS (France)
- CERTIF (Portugal)
- ITA (Italy)

**INSTALLATION**

All Amiantit entities have a huge experience in GRP pipe installation, even in challenging terrain. For water / raw water applications they offer experienced support, mainly for installation types such as:

- Open trench /below-ground
- Above-ground
- Relining
- Subaqueous
- Aerial

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