FLOWTITE GRP PIPE SYSTEMS
FOR SEWER / SEWER PRESSURE APPLICATIONS

AMIANTIT PROVIDES FLOWTITE GRP PIPE SEWER AND SANITARY SOLUTIONS DEMANDED BY MUNICIPALITIES AND CONSULTANTS WORLDWIDE.

The excellent resistance against sulphuric acid and the well approved, tight Flowtite double bell coupling makes this product line the preferred sewer choice of many customers worldwide.

PRODUCTS AND SERVICES

| Pipe range          | • Flowtite GRP standard sewer pipes and fittings up to 4000 mm  
|                    | • Pressures up to 32 bar, depending on pipe diameter. All pressure pipes are tested twice their nominal pressure.  
|                    | • 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 non-circular pipe cross sections, we offer the AMIREN GRP pipe product line. Please ask for the separate flyer.  

| 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 DI58639 and EN1119.  
|                    | • Depending on application and project requests, other joining systems such as lamination, lock-joint couplings, adhesive and mechanical couplings are also available.  
|                    | • Available is also a special, high angular coupling system that allows 3° 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, flanges, reducers, branches, flanges, wall connections, manholes and special valve chambers. 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 sewer / sewer pressure solutions including assistance in:  
|                    | • Project engineering, penstock line and spools design  
|                    | • Hydraulic calculations  
|                    | • FEM analysis  
|                    | • Installation  
|                    | • Jobsite supervision  
|                    | • Hydraulic testing  
|                    | • Pipeline inspection  

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**BENEFITS**

Flowtite GRP pipes for sewer / sewer pressure applications provide quality and best cost solutions to customers around the world with many advantages and a long list of features and benefits:

- Long service life. With an expected service life of more than 150 years
- Smooth inner surface resulting in low maintenance costs and minimum slime build-up.
- Hydraulic characteristics essentially constant over time.
- Excellent chemical resistance, especially against sulphuric acids
- Tight couplings prevent infiltration / exfiltration
- No need for cathodic protection or corrosion surveys.
- Unique and constant product features in extremely hot and cold climate.
- UV resistance. No need for linings or coatings.
- Tailor-made solutions in regard of pipe design and product properties to meet all customer and project requirements.
- Stringent performance standards.
- High pressure waterjet resistant.
- Low slope gradients feasible due to excellent longitudinal properties.
- Complete pipeline execution in GRP due to an unrivalled range of standard and tailor-made range of fittings & spools.

**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 standard sewer 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) or Kiwa (Netherlands). For more approvals please contact your local dealer.

**INSTALLATION**

All Amiantit entities have a huge experience in GRP pipe installation, even in challenging terrain. For sewer / sewer pressure applications they offer experienced support, mainly for installation types such as:
- Open trench / below-ground
- Subaqueous
- Above-ground
- Aerial
- Relining
- Jacking

Amiantit in Europe
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THE FIRST CHOICE OF ENGINEERS FLOWTITE WORLDWIDE