FLOWTITE GRP PIPE SYSTEMS
FOR MINING / WELL PIPE SYSTEMS

MINING / WELL PIPE SYSTEMS FROM AMIANTIT PROVIDE A LOW COST, LONG-TERM PIPING SOLUTION TO CUSTOMERS AROUND THE WORLD.

In this field of application, Amiantit provides GRP pipe solutions for:

- Well water pipe solutions for deep dewatering projects
- Dewatering pipeline systems for tunnelling systems

**Pipe range**

- Flowtite GRP standard pipes and fittings up to 4 000 mm
- Pressures up to 32 bar, depending on pipe diameter. All pipes are pressure tested.
- 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 3° for the whole diameter range, designed to enable complex, curved pipeline layouts.

**Fittings**

Amiantit provides 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 mining solutions including assistance in:

- Project engineering, penstock line and spools design
- Hydraulic calculations
- FEM analysis
- Spool design
- Jobsite supervision
- Installation
- Hydraulic testing
- Pipeline inspection
## Benefits

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

- Excellent chemical properties; also resistant against aggressive mining fluids.
- Hydraulic characteristics essentially constant over time.
- Smooth inner surface resulting in low slime build-up and reduced 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.
- Long pipe lengths; less couplings necessary.
- Easy installation, even vertically due to low weight.
- Ground water-tight; proved coupling systems prevent infiltration / exfiltration.
- 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.

## 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, ISO, ATV, EN and other international / local standards and certifications. Among the local approvals are TÜV SÜD (Germany), Kiwi (Netherlands), AENOR (Spain), or COBRTI INSTAL (Poland). For other approvals please contact your local dealer.

## Installation

All Amiantit entities have a huge experience in GRP pipe installation and the Flowtite pipe and joint system is easy and fast to install even in challenging environment. For mining applications they offer experienced support, mainly for installation methods such as casing of deep well dewatering projects.