

Technical specification Alvenius FlowMax®

General:

Quick coupled and thin walled spirally welded steel pipes¹ in high strength steel material with pressure rating of x2 bar. Cut grooved rings for quick couplings welded onto the pipe ends.

Dimension: XXX x YY mm in 6000 mm as standard length.

Pipes and fittings³ shall be coated in- and outside with a thermoplastic material as corrosion protection.

The thickness of coating shall be minimum 250 µm, pinhole tested with minimum 2.5 kV.

Adhesion according to EN ISO 4624 (8 MPa) alternatively DIN 30670 (35 N/cm).

The coating shall have a minimum elongation at break of 500%.

Pipes and fittings shall be C5-M approved.

⁴ The pipes shall have an extra protective layer on the outside, in addition to the thermoplastic coating, through a 500 µm LDPE layer.

Couplings shall be delivered with bolts and nuts in suitable material for the application.

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| 1. <i>Option smooth inside</i> | When there is a need for self-drainage and/or when wear reduction is required, add the text “with smooth inside”. |
| 2. <i>Option pressure rating</i> | 10/16/40/63/80 |
| 3. <i>Option quick couplings</i> | Add the text “including couplings” |
| 4. <i>Option which can be excluded</i> | <i>As an example: in cases when the pipes are installed above ground on supports. However, the extra protective layer is recommended to use as much as possible.</i> |