

Fendum – a quantum leap for sustainable fire protection



reddot winner 2021
materials and surfaces

Water-based suppression systems – enhanced corrosion protection

Corrosion is one of the biggest problems with water-based suppression systems. For this reason, Fendum enhanced pipes were developed with a special polymer on the outside and inside to significantly delay the onset of function-impairing

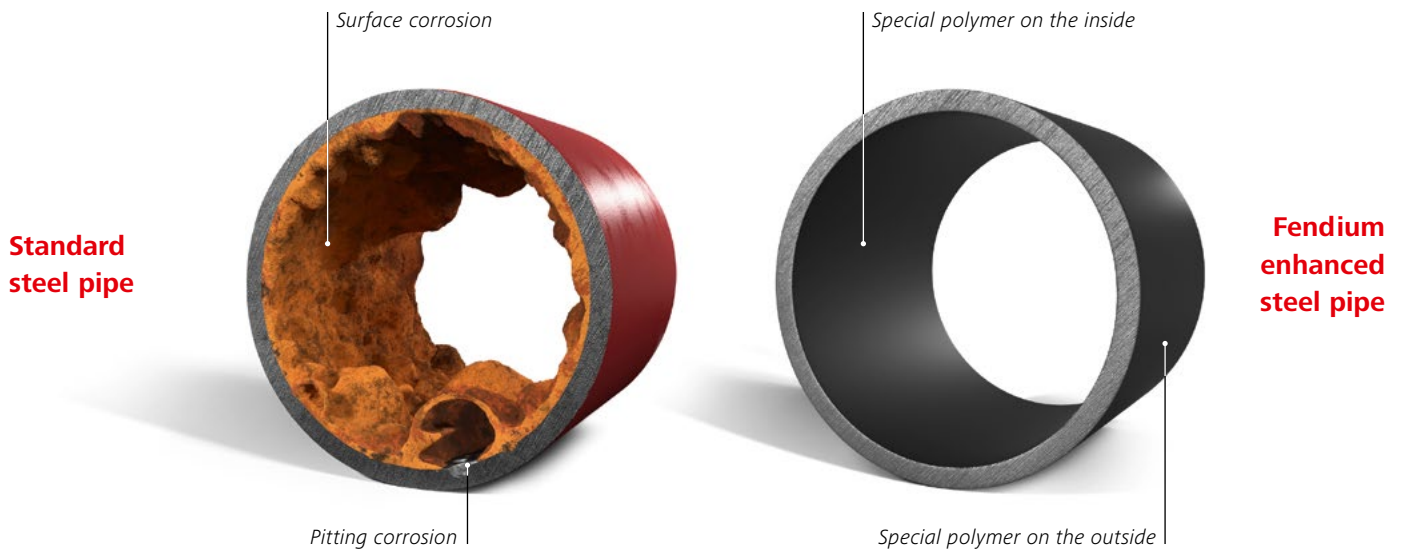
corrosion. The exceptionally high surface quality (C140) makes it possible to use reduced nominal widths. The result: Fendum enhanced pipes make water-based suppression systems particularly durable and therefore economical.



A longer service life is both economical and sustainable

Fendum enhanced pipes are already successfully in use in water-based suppression systems. A special polymer prevents damage due to corrosion and, as a result of the reduced friction, also enables optimized nominal pipe

widths or optimized pumps to be used – this permanently increases the reliability of suppression systems and is also more resource-efficient.



Fendum enhanced pipes offer you the following advantages:

- **Improved corrosion-resistance**
10-year no rust guarantee*
- **Increased system reliability**
Fendum enhanced pipes minimize the risk of blockages and leaks
- **More dependable operation of the fire suppression system**
Less downtime to eliminate faults
- **Reduced space requirements**
Optimized nominal pipe widths reduce pipe ducts
- **Environmentally friendly manufacturing process**
Certified manufacturing process in accordance with DIN 14001:2015 Environmental management systems



Polymer vs. painting/powder coating

Paint or powder coatings are applied to the pipe. In the case of Fendum enhanced pipes, by contrast, the polymer and steel are virtually inseparably joined by means of multiple chemical processes, resulting in incredible corrosion resistance – on both the inside and outside.



* If agreed separately

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