

# Rapid Silicate Resin

## Pipe Doctor Patch Repair

### S1E Rapid (3P-W01) Turbo (comp. B)

Technical data and adhesive strength

#### Technical data

Bending strength	35,4 N/mm <sub>2</sub>
Compressive strength	57,3 N/mm <sub>2</sub>
Modulus of elasticity, calculated from bending	775 N/mm <sub>2</sub>
Linear shrinkage	0,06 %
Coefficient of thermal expansion	9,1 x 10 <sup>-5</sup> 1 /°C
Resistance to heat at 80°C, wet	resistant
Resistance to heat at 80°C, dry	resistant

#### Adhesive strength

On concrete C 16	3,6 N/mm <sub>2</sub> (crushed concrete)
On compact tiles	1,6 N/mm <sub>2</sub>
Watertightness (at a pressure of 3 bar, 1 cm thick test specimen)	water-tight
Absorption of surface water	Ø
Wear loss according to Böhme	2,57 mm
Vapour diffusion resistance (with a 1 cm thick test specimen)	39 x 10 <sup>6</sup> m <sub>2</sub> .s.Pa/g
Shelf life in accelerated laboratory cycle testing	After 25 cycles, no changes, strength unchanged
Frost resistance	After 25 cycles, no damage, strength unchanged

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## S1E Limited Specialist Suppliers of Trenchless Technology

### No-dig Pipeline Repair

S1E Limited is a specialist supplier of trenchless technologies to the drainage repair industry. The company focuses on sourcing quality products for professional use. They are all tried and tested in the field to produce impressive results. S1E distributes high-quality products from market-leading manufacturers for the drainage repair industry. Products include camera inspection systems, cutting and cleaning tools, CIPP lining equipment and consumables, mechanical point repair devices, rat blockers and other site consumables.

S1E Limited is committed to being a quality supplier, with a focus on customer service. S1E is proud to be an active member of the UK Society for Trenchless Technology.

First established in 2007 as Fernco Environmental, the company's mission was to seek out repair products for the infrastructure repair and water management markets. Since 2016, it has re-focused its ranges to the specialist field of trenchless repair, with a growing portfolio in this specialist area.

The company is owned by Cooper Companies Inc, a US-based leader in the production of pipe couplings. The Group also owns companies in Canada, Mexico, Brazil, Germany and France, as well as the UK-based sister company to S1E, Fernco (previously, Flexseal).

It is accredited to ISO 9001: 2015 for its Quality Management System. It is also accredited to ISO 14001: 2015 for its Environmental Management System.



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