ElastoFlake Technical data

Feature	Method of testing	Result
Setting time at 25 °C		2,5 min.
Tensile strength	ISO 527	20 Mpa
Elongation at break	ISO 527	3,5 %
Flexural strength	ISO 178	28 Mpa
Modulus of elasticity	ISO 527	1745 Mpa
2 Short-term ring stiffness	EN ISO 9969	6,6 kN/m2
Creep modulus	EN ISO 9967	12,5
Durability	Thermal aging tests in water and air + 70 °C, 1300 h	
Service life		c. 25 years
Layer thickness	ISO 2808	> 3 mm
Effect of aging on tightness and adhesion	Temperature cycle tested at 15 °C/93 °C for 1500 cycles	Met the requirements
Heat deflection temperature	EN 75	39°C
Fire safety classification	-	E
Ultimate elongation	-	4-10 %
Continuous operating and	-	over 85 °C
Temporal operating temperature	-	over 100 °C

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ElastoFlake material

- Suitable for injection casting of all pipe materials: stainless steel, plastic, copper, concrete and cast iron pipes, diameter c. 50-200mm.
- Renovation sites: High-rise buildings, private houses, terraced houses, real estate, industrial buildings
- ElastoFlake innovation even supports industrial sewer renovation, because the structure of the material adjusts to changes in the axial and radial sizes of pipes.
- The material provides long lasting corrosion and wear protection.
- The material provides good resistance to pressure,and to chemical substances and mixtures, such as detergents and hot fat mixtures.
- The material is highly resistant to changes in temperature: high impact strength even at very low temperatures.
- Advanced hardware and high quality work ensure that no discontinuities are left between layers of casting.
- Innovative ElastoFlake allows normal activities to continue in the building during drain renovation.
- The material is environmentally and user friendly: it contains no solvents, styrene, or carcinogens.
- The elasticity of the material prevents brittleness, tension and the formation of cracks.
- The material's smooth and slick surface ensures minimal waste adhesion and a better flow capacity.
- The result is that the lining of the old pipe gains a durable, elastic, beautiful, and smooth surface.
- The material is anti-bacterial, so it is also very suitable for sewage pipeline renovation.
- ElastoFlake innovation means that the building's floor and wall surfaces do not have to be damaged or old pipes removed.
- The material dries and hardens quickly.