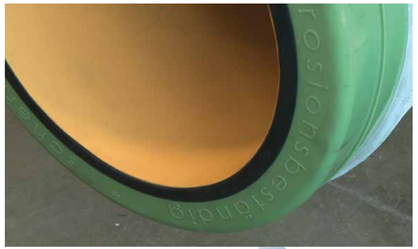
ECORESIST

FOR THE PRODUCTION OF CONCRETE LINER PIPES – BFS – THE TECHNOLOGY LEADER

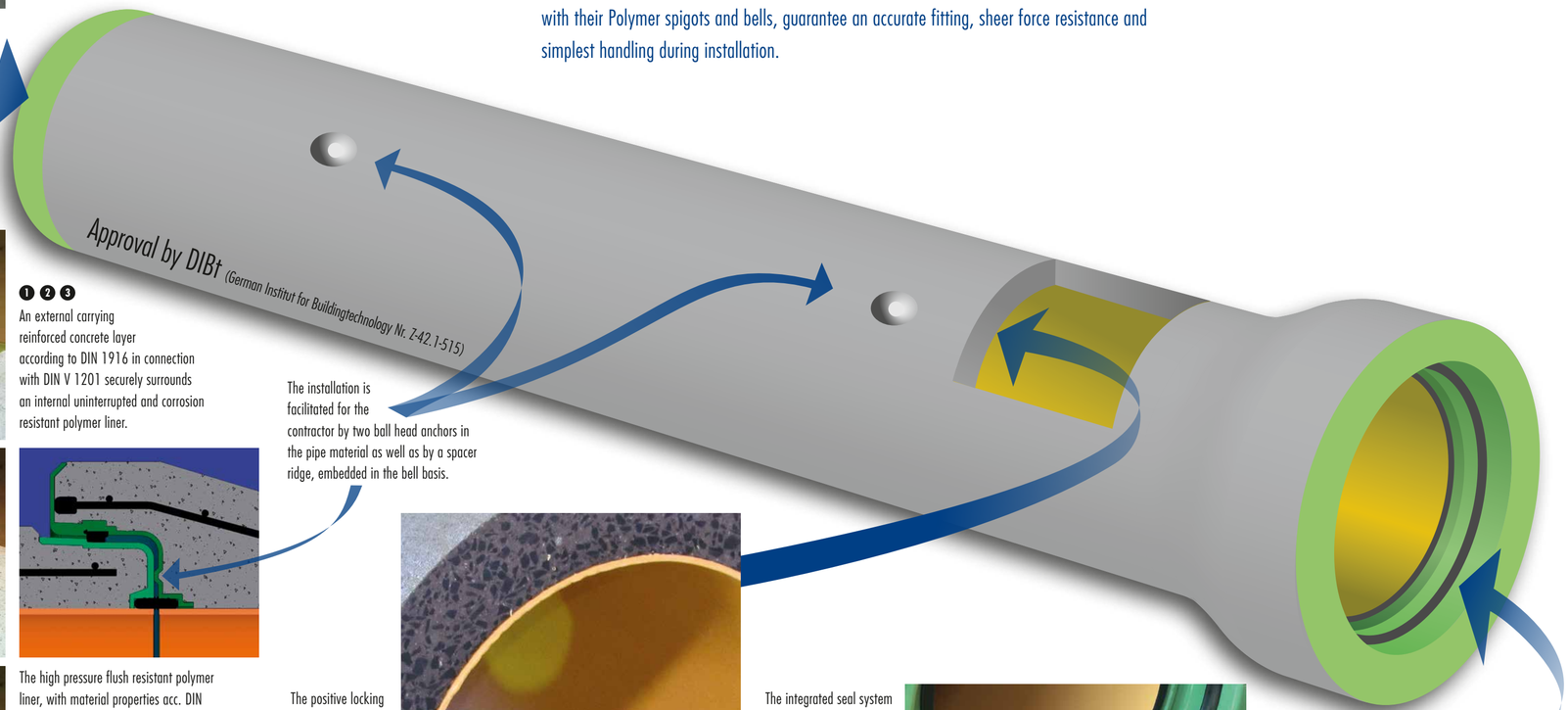
Part of the Afinitas family

ECORESIST

ECORESIST-liner system pipes are continuously lined with a corrosion resistant Polymer Material. Securely encased by a load bearing and bend proof concrete sleeve ECORESIST-pipes, with their Polymer spigots and bells, guarantee an accurate fitting, sheer force resistance and simplest handling during installation.



An ECORESIST - pipe bell and spigot end consist of pre fabricated shock and impact proof moulded elements, which properties supplement those of the liners.



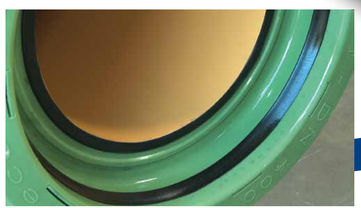
❶ ❷ ❸ An external carrying reinforced concrete layer according to DIN 1916 in connection with DIN V 1201 securely surrounds an internal uninterrupted and corrosion resistant polymer liner.

The high pressure flush resistant polymer liner, with material properties acc. DIN 8061, covers the complete pipe strand. These accurately fitting lined pipe joints (bell and spigot end) offer protection against exposure to impacts and blows.

The installation is facilitated for the contractor by two ball head anchors in the pipe material as well as by a spacer ridge, embedded in the bell basis.

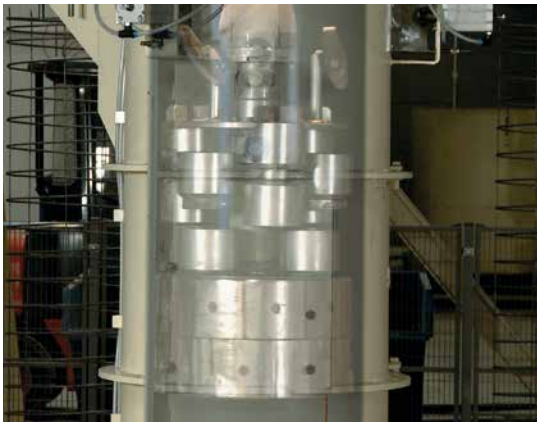
The positive locking between concrete and polymer pipe is achieved in the shrinking phase during the curing of the concrete. This polymer concrete bond can compensate length extensions due to temperature fluctuations.

The integrated seal system prevents failures during installation and guarantees an absolute water tightness under 100% shear forces and maximal deflection, even up to 2,5 bar.



Pipe after pipe with the highest quality standard. Designed for large numbers, the ECORESIST-System excels with convincing economical advantages. With the patented ECORESIST production procedure concrete pipes are manufactured with a continuous corrosion resistant polymer inner lining. This qualifies them for the contact with aggressive media like biogenous sulfur acid. Additionally their high pressure flush resistance and absolute water tightness turn them into the first choice for durable waste water lines.

ECORESIST – MATURED TECHNOLOGY FOR PRIME QUALITY



The concept:
The fully automated computer controlled production procedure creates a continuous high product quality. Short change over times are an additional guarantor for a perfect machine efficiency. The production cycle in the SOUVERAEN machine conception is perfectionised down to the smallest details. A low wear, low maintenance and low energy production are guaranteed.

ECORESIST By the combined control of the pipe machine and liner installation the stepping order of the system is perfectly interlocked.
As soon as the mould with the green pipe rotates to the insertion station, the polymer pipe is pressed in from the top.

SOUVERAEN – TECHNOLOGY WHICH CONVINCES.

New BFS-ideas-additional benefits for our clients. The BFS-liner insertion installation can be integrated in new and existing concrete pipe machines. As an additional option it supplements the scope of a BFS-SOUVERAEN-installation.

S-Compact – the compaction system.
The patented* BFS-compaction tool is the root of the compaction. The roller head technology of four (4) layers of rollers guarantees no uncompacted areas. Due to the counter rotating movement, the reinforcement cage is perfectly embedded by concrete and the twisting of the cage is minimized. Of course all components are designed for long term wear.

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