Vehicle extension

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ElastoFlake coating material

Damaged pipes are sealed and coated using a two-component PU material formulated especially for these requirements, with a very fast reaction time – it cures so quickly that it cannot run off during the introduction process and creates a final, even material thickness of ≥ 3 mm. It is applied in multiple layers / work steps.

Once it is cured, this coating material is resistant to pressure, domestic sewage and grease.

Because of its flexibility, ElastoFlake can also be used at higher temperatures and with temperature fluctuations. In addition, it protects the coated pipes from mechanical wear thanks to its very smooth surface, ensures very low adhesions/deposits, and improves the flow performance. The PU material is free from solvents and does not contain any styrol, so there is no risk of shrinkage or leakage underneath the coating during the curing process.

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Why choose ElastoTec / ElastoFlake?

- More than ten years of experience with continuous further development
- Numerous references
- DIBt approval applied for under reference no. II.54-1,42, 3/21/16
- Suitable for all standard pipe materials
- Coating thickness: ≥ 3 mm
- Can also be used in small nominal widths from DN 32 to DN 200
- Very fast curing
- Resistant to pressure, chemical and mechanical stresses
- Resistant to higher temperatures / temperature fluctuations
- Mobile machine technology
- No dirt, noise or odor pollution
- No damage to building fabric
- CE certified
- Worldwide “Remote Access” service
- Very cost-effective

Further Information under www.ist-web.com
The Revolutionary “Spray Technology” for In-House Renovation.

The system

The ElastoTec / ElastoFlake coating system was developed ten years ago by the Finnish company Relining Group International Oy. I.S.T. Innovative Sewer Technologies GmbH and its subsidiaries are the distribution partners for numerous countries, of course including the German market.

The two elements of the clever system, consisting of ElastoTec machine technology and the 2-component reaction plastic ElastoFlake, are perfectly coordinated. This reliable and cost-effective pipe renovation system is especially useful for in-house applications, which often involve tight conditions with small and hard-to-reach nominal widths ranging from DN 32 to DN 200, as well as in components like downpipes.

All work, including the initial cleaning of pipes with no damage to the building fabric (e.g. tiles), is professionally performed by trained personnel without any contamination from the renovation work. The entire process is performed hydraulically with relatively low pressures, which eliminates the associated risks. Its modular structure makes the machine extremely flexible and easy to maintain.

Applicaton

There are two options for applying the reaction resin:

- Spray on using the rotor head
- Introduce and apply to the pipe walls using brush attachment, especially for pipe bends

For the perfect connection of side supply flows and to avoid back-running situations and in case of damaged pipe segments, the silicone branch cap-technology units, specially developed for the ElastoTec System, can be used.

The cap itself, available in different angles and sizes, is impregnated with Easy Pur or Easy Pur Plus and then positioned and pressed on by means of cap packer and flexible air thrust rod in the side supply flow. After hardening of the cap, the packer can be removed again.

Since related types of resins are involved in case of the ElastoFlake pipe jacketing material and the reaction resin for the impregnation of the caps, a perfect bonding of the cap with the full-surface coating of the pipe is ensured.

Application of resin

- For the perfect connection of side supply flows
- To avoid back-running situations
- In case of damaged pipe segments

Cap technology for side supply flows

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System

The compact ElastoTec machine technology, weighing about 100 kg (filled), can easily be transported right to the renovation site; all it requires is a 230-volt electrical connection. It offers a multilingual, easy-to-use touchscreen interface with built-in step-by-step instructions for controlling all of the relevant parameters — naturally with a remote control, which can be used from up to 200 meters away.

Resin quantities and the mixing ratio as well as flow rates can be precisely calculated and adjusted here — the machine is completely automatic.

Storage tanks and material hoses do not need to be cleaned between individual uses, since the material components only come together in the rotation unit.

Accessories

- Brushes and Retractable chains
- Various brush types and sizes for a variety of framework conditions and pipe diameters.
- Retractable chains thoroughly clean the pipes.

ElastoTec

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Pipe renovated using ElastoFlake creating

The revolutionary “spray technology” for cost-effective renovation even in smaller pipe cross-sections, especially for in-house applications

NEW!

Further information under www.ist-web.com

More than ten years of experience with continuous further development

Numerous references

DIBt approval applied for under reference no. III 54-1.42.3-21/16

Suitable for all standard pipe materials

Coating thickness: ≥ 3 mm

Can also be used in small nominal widths from DN 32 to DN 200

Very fast curing

Resistant to pressure, chemical and mechanical stresses

Resistant to higher temperatures / temperature fluctuations

Mobile machine technology

No dirt, noise or odor pollution

No damage to building fabric

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05/17

Once it is cured, this coating material is resistant to pressure, domestic sewage and grease.

Because of its flexibility, ElastoFlake can also be used at higher temperatures and with temperature fluctuations. In addition, it protects the coated pipes from mechanical wear thanks to its very smooth surface, ensures very low adhesions/deposits, and improves the flow performance. The PU material is free from solvents and does not contain any styrol, so there is no risk of shrinkage or leakage underneath the coating during the curing process.

ElastoFlake coating material

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The interior compartment is equipped with a radio remote control lifting device for the ElastoTec Pump L or alternatively with a ramp. For all removable aggregates and vessels, corresponding transport protections are fixed-integrated into the vehicle and likewise for unused and already used hoses.

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The revolutionary “spray technology” for cost-effective renovation even in smaller pipe cross-sections, especially for in-house applications

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Pipe renovated using ElastoFlake

Creating

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