egeplast




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# SLM® DCT

## Pipe system with integrated quality control

# egeplast SLM® DCT:
# Proof of damage-free installation

The egeplast SLM® DCT pipe (**D**etection and **C**hecking **T**echnology) offers the possibility of permanent detection of the installed pipe system. In addition, it can be tested for integrity directly after installation. This option gives both customer and contractor the highest guarantee of safety, even under the most adverse soil conditions.

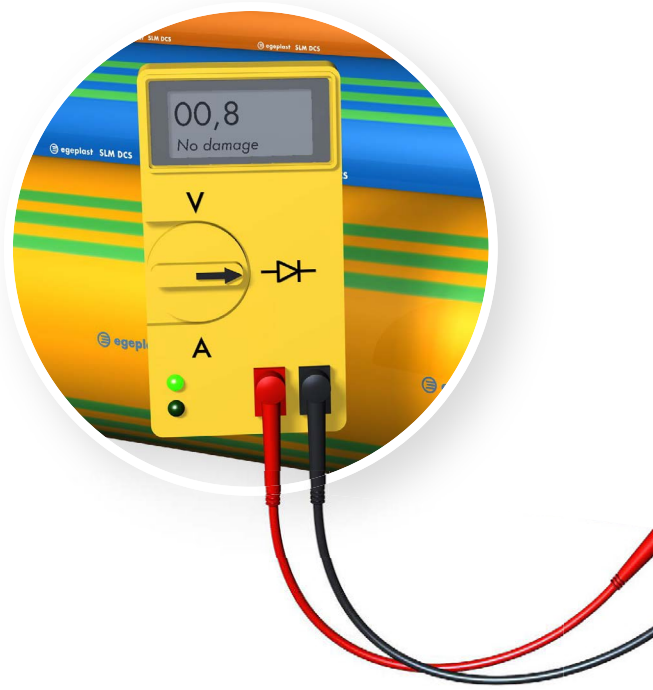
## THE SLM® DCT PIPE SATISFIES THE FOLLOWING FUNCTIONS:

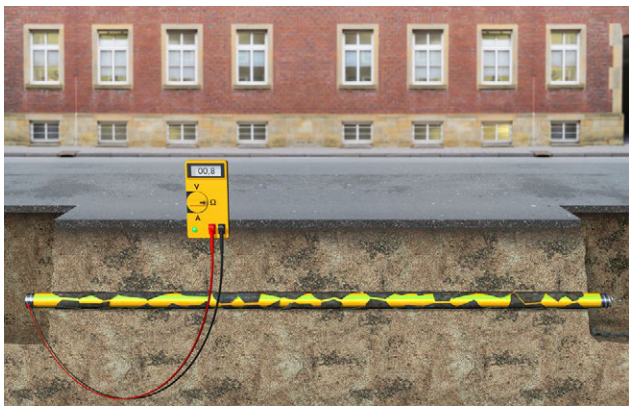
### Evidence of integrity (integrity check)

The SLM® DCT pipe has an integrated damage indicator so that the pipe can be monitored for integrity (scratch depth = 0% of the standard wall thickness) after the insertion process:

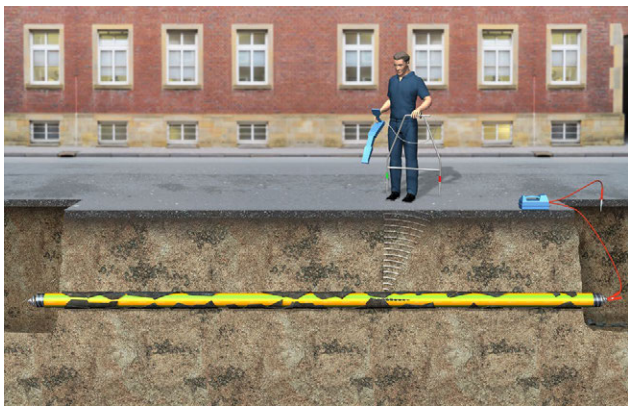
If notching as far as the base of the protective layer should occur as the pipe is pulled in, then the helically wound electrical conductors are cut through.

The electrical continuity can be checked with a simple continuity tester after the pipe has been pulled in and the integrity of the new pressure pipe thus proved.



Integrity check

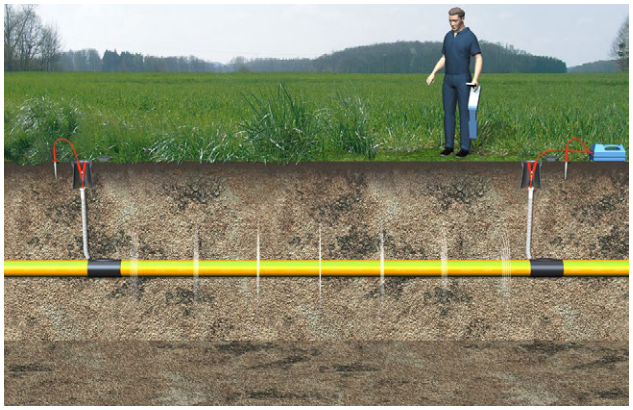


Damage detection




## Detection of pipes

Due to the integrated electrical conductor, the position of egeplast SLM® DCT pipes can be detected in the ground. This means it can be precisely located during subsequent civil engineering measures.



Detection of pipes

## Usage in trenchless pipe installation

With trenchless installation it is not possible to prepare the pipeline area; consequently the pipe is exposed to greater stress.

The core pipe of the SLM® DCT pipe is reliably protected against damage such as scratches and notches by a protective layer.

Materials that are particularly crack-resistant (PE 100-RC) are used for the core pipe as protection against the stress peaks resulting from point loads.

After installation the core pipe has a damage-free pipe surface and assures a processing by means of electrofusion on a groove-free pipe surface.

## YOUR BENEFITS AT A GLANCE

### Maximum installation and operational safety

Enables proof of damage-free installation immediately after Installation.

### Locatability option

For quick location during maintenance, expansion or later construction work – even permanently.

### Simple & safe Installation

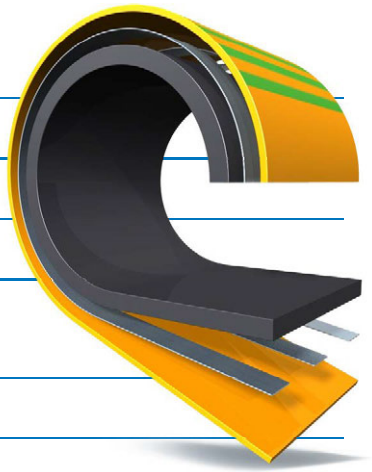
The additive protective layer enables trenchless installation and integrity testing.

### Complete system from a single source

egeplast offers a complete system, including fittings and accessories, for maximum operational reliability and cost-effectiveness.

## TECHNICAL DATA

| | |
|---|---|
| Dimension | OD 25 – 630 mm |
| SDR | SDR 17.6 – SDR 7.4 |
| Pipe design | **Core pipe:** made of PE 100-RC |
| | **Conductive strips:** Two aluminium strips applied in spirals |
| | **Protective layer:** modified polyethylene PEplus |
| Application | Drinking Water \| Gas \| Wastewater |
| Delivery forms | Sticks (6/12/20 m, custom lengths on request) \| Coils \| Drums |



# ABOUT EGEPLAST

## Safety with egeplast's tested pipe systems

Pipelines are the backbone of modern infrastructure – and at the same time one of the most valuable assets of municipal and industrial network operators. Particularly in trenchless installation methods, where visual inspections cannot be performed after the installation, there are high quality requirements for the pipe systems.

egeplast offers pipe systems with integrated protection and monitoring functions that ensure documented safety both during installation and in operation. This gives planners, engineering firms, and network operators the assurance that they are investing in sustainable infrastructure that will retain its value over the long term – for 100 years.

## egeplast – Future-proofed pipe systems










Information, sources and background details regarding our sustainability management can be found on our website at www.egeplast.de/en/sustainability

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