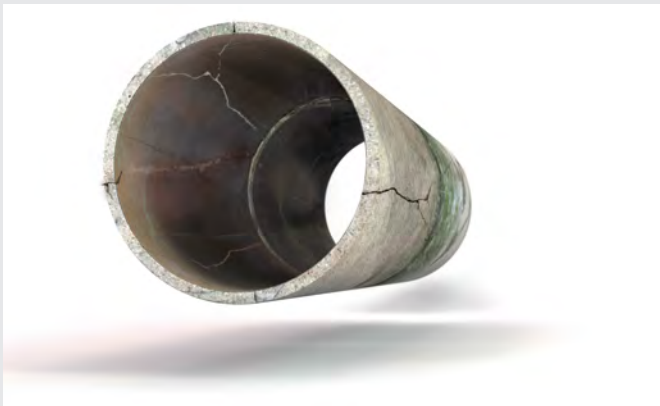


## SIMONA® PP HM Rehabilitation Piping Systems

PP HM piping systems developed by SIMONA include sewer pipes and fittings designed both for trenchless rehabilitation projects as well as for open-cut and non-trench renewal.



*Damaged pipeline?*



*System solutions from SIMONA!*

SIMONA® PP HM Pipes with superior levels of rigidity and relatively high impact strength at low temperatures are suitable for year-round rehabilitation of drainage systems. The SIMONA-engineered PP HM is 100% free of filler materials and is based on the company-developed SIMONA® AlphaPlus® nucleation process for the manufacture of extremely fine structures that are insusceptible to stress cracks. This material does not include recycled components or mineral additives.

The PP HM pipe material meets the requirements specified for high-load pipes with a modulus of elasticity of more than 1700 N/mm<sup>2</sup>, in accordance with DIN EN 1852-1.

The pipe modules are available in standard sizes as per DIN EN 1852 and in customised sizes for the Tight in Pipe method using individual pipes or sections.

## SIMONA® PP HM Rehabilitation Piping Systems

### Fields of application and rehabilitation methods

SIMONA® PP HM Pipes are used primarily in trenchless sewer construction and in open-cut installation.

The key rehabilitation methods for SIMONA® PP HM Piping Systems are as follows:

- Single pipe lining with annular space
- Single pipe lining TIP
- Pipe-run lining with annular space
- Pipe-run lining TIP
- Pipe bursting

Single pipes are installed either via the individual shaft installations using the driving method with hydraulic cylinders or via a construction trench with the help of rope haulage or pipe pulling systems.

Construction trenches are used in pipe-run lining or pipe bursting.

### Colour

PP pipe modules are produced in grey (RAL 7032) as the standard colour. Other colours can be supplied on request.



### Joining techniques

#### SIMONA® PP HM SV

Smooth integral socket connection (SV) with integrated dual EPDM wedge seal

#### SIMONA® PP HM RSV

Integral snap-in connection (RSV) with tensile protective properties and dual EPDM wedge seal

#### SIMONA® PP HM GV

Integral triple-start threaded connection (GV) with single EPDM wedge seal

#### SIMOFUSE® PP HM

Integral SIMOFUSE® PP HM electrofusion connection

#### SIMONA® PP HM

Smooth pipe ends for heated-tool butt welding

### Product range

SIMONA® PP HM Piping Systems are available in standard dimensions as per DIN EN 1852 as well as in customised sizes (on request) for single pipe or pipe-run lining using the Tight in Pipe (TIP) method.

The dimensions range from d 192 mm to d 1,000 mm. The piping systems can be manufactured to match the specifications of the existing pipe to be lined.

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All information furnished in this publication reflects our current scope of knowledge on the date of publication and is designed to provide details of our products and potential fields of application (errors and omissions excepted, including typographical mistakes). As at 11/2017