

Houseliner System for stormwater and wastewater pipes

Holder/Issued to

Sacpro AB

Källviksvägen 10, 79152 Falun

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Product description

Houseliner System is a renovation method for existing draining systems made of cast iron and / or plastic etc. After thorough cleaning and inspection of the pipe system, polyester sock (flexible lining) and branch pipe are mounted in an uncured state on the inside of the old pipes.

The polyester sock and branch pipe are made of 100% polyester fiber with an internal PU coating.

Polyester sock and manifold are impregnated with Epoxy which is then heat or cold hardened after assembly.

The finished system has the following wall thicknesses:

- In the house's standing and lying waste water pipes = 2 - 6 mm depending on the dimension of the pipe.

All joints are laid in the flow direction of the water.

The pipe achieves a rigidity with self-supporting properties that provide strength, tightness and function without support from the existing pipe.

The work is performed with camera monitoring.

After manufacture, the new pipe is inspected and documented via filming.

The following products are included in the certificate:

Lining

Houseliner FL 2,5 mm DN30-50

Houseliner FL 2,5 mm DN40-60

Houseliner FL 2,5 mm DN45-70

Houseliner FL 2,5 mm DN50-70

Houseliner FLF 2,5mm DN50-70

Houseliner FL 2,5 mm DN63-75

Houseliner FL 2,5 mm DN70-100

Houseliner FL 2,5 mm DN100-150

Houseliner FL 2,5 mm DN110-160

Houseliner FL 3 mm DN30-50

Houseliner FL 3 mm DN45-70

Houseliner FL 3 mm DN50-70

Houseliner FL 3 mm DN60-75

Houseliner FL 3 mm DN63-75

Houseliner FL 3 mm DN63-100

Houseliner FL 3 mm DN70-100

Certificate C900735 | 2022-10-07

RISE Research Institutes of Sweden AB | Certification

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Continued Lining

Houseliner FL 3 mm DN100-120
Houseliner FL 3 mm DN100-150
Houseliner FLF 3,5mm DN70-100
Houseliner FLF 3,5mm DN100-150
Houseliner FLF 3,5mm DN150-225
Houseliner FL 4 mm DN63-100
Houseliner FL 4 mm DN70-100
Houseliner FL 4 mm DN80-110
Houseliner FL 4 mm DN100-150
Houseliner FL 4 mm DN120-150
Houseliner FL 4 mm DN150-225
Houseliner FL 4mm DN200-250
Houseliner FL 5 mm DN150-225
Houseliner FL 5 mm DN200-250
Houseliner FL 5 mm DN225-300
Houseliner FL 5 mm DN250-300
Houseliner FL 5 mm DN300-400
Houseliner FIX 2,5 mm DN75
Houseliner FIX 2,5 mm DN100
Houseliner FIX 3 mm DN75
Houseliner FIX 3 mm DN100
Houseliner FIX 3 mm DN150
Houseliner FIX 4 mm DN100
Houseliner FLT 50-70
Houseliner FLT 70-100
Houseliner FLT 100-150

Connection felts main dimensions:

Sacparts grenrör DN 50
Sacparts grenrör DN 75
Sacparts grenrör DN 100
Sacparts grenrör DN 125
Sacparts grenrör DN 150
Sacparts grenrör DN 200
Sacparts grenrör DN 225

Manifolds and connections with main dimensions:

New connection DN 50
Relining connection DN 50-225

Epoxy

Houseliner Resin (base)
Houseliner hardener Hot Cure
Houseliner hardener Slow
Houseliner hardener Medium
Houseliner hardener Fast

Intended use

System for internal renovation of storm and wastewater pipes.

Trade name

Houseliner System

Approval

The products have been verified against the following sections of Boverket Building Regulations (BBR) issued by the National Board of Housing, Building and Planning of Sweden:

Wastewater installations	6:641, 1st paragraph and 2nd paragraph last
sentence Installations for stormwater within a property	6:642, 1st paragraph
Design	6:644, 1st paragraph 1st sentence

Associated documents

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Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: Ref no.: 210-19-0220

Inspection body: RISE, Research Institutes of Sweden AB

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents.


Manufacturing places

Production control includes the following places:

Sacpro AB, Källviksvägen 10, Falun and manufacturing site with factory code W.

Markning

The products is/are to be marked at the factory. The marking consists of a sign label or text on every product, packing and documentation supplied and includes:

Holder	Sacpro AB
Manufacturing place	Falun
System type designation	Houseliner System
Type designation foder	<i>See under the item product description</i>
Type designation Manifolds	<i>Sacparts</i>
Consecutive manufacture no./date of production	nr/date
Certificate number	C900735
Dimension	X mm
P-mark	
Certification body /and Inspection body	RISE

Basis for assessment/approval

Provrappport nr.9F005433 och 21-130230 från RISE och

Rapporter nr. S-06676-18, EUFI29-20001350-T2, EUFI29-21001325-T3 och EUFI29-21001325-T4 från Eurofins Expert Services Oy.

Work instructions Sacpipe Connection System daterad 2021-03-23.

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Comments

The products are tested according to certification rule CR072

The plastic material has an assessed resistance to ageing of at least 50 years and meets the requirements for use in the internal renovation of domestic waste water and rainwater systems in a normal residential environment within a building.

Validity

Valid through 2027-10-06.

A handwritten signature in blue ink, appearing to read 'Stefan Coric'.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.