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European Technical Assessment Body
for construction products



European Technical Assessment

ETA-17/0235
of 6. January 2026

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Fescon Vedeneriste WS-järjestelmä

Product family to which the construction product belongs

Liquid applied watertight covering for wet rooms with wearing surface

Manufacturer

Fescon Oy
Hämeenkatu 9
05800 HYVINKÄÄ
FINLAND

Manufacturing plant

Manufacturing plant 5800

This European Technical Assessment contains

10 pages including 5 annexes which form an integral part of this assessment

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of

EAD 030352-00-0503

This version replaces

ETA-17/0235 issued on 2 May 2017

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Specific part

1 Technical description of the product

"Fescon Vedeneriste WS-järjestelmä" is a watertight covering kit for wet room floors and walls. It consists of the following components:

- Primer:
"FESCON Tartuntapohjuste KP" on the basis of styrene-butadiene or
"FESCON Primer DSF" on the basis of a polymer dispersion.
- One-component liquid waterproofing membrane "Fescon Vedeneriste WS" on the basis of styrene-butadiene.
- Sealing tape:
"FESCON Vedeneristenauha FS-N" or
"FESCON Vedeneristenauha VE-N".
- Internal and external sealing corner:
"FESCON Sisäkulma FS-S",
"FESCON Sisäkulma VE-S",
"FESCON Ulkokulma FS-U" or
"FESCON Ulkokulma VE-U".
- Sealing sleeve for walls (e. g., pipe penetrations):
"FESCON Läpivientilaippa FS-L 10/23/40/55/70" or
"FESCON Läpivientilaippa VE-L 10/23/40/55/70".
- Sealing sleeve for floors (e. g., drains):
"FESCON Läpivientilaippa FS-L 100" or
"FESCON Kaivolaippa KL-B".
- Adhesive for tiles according to EN 12004¹:
"FESCON Saneerauslaasti VSL",
"FESCON Saneerauslaasti ILL",
"FESCON Saneerauslaasti SL" or
"FESCON Saneerauslaasti RSL Rapid".

The kit is intended to be used under a wearing surface, e. g., tiles. The wearing surface and the jointing material are not part of the kit, but are considered during the assessment of the intended use of the product. Pipes and floor gullies themselves are not part of the kit.

Annexes A2 to A4 show the system build-up and the components for sealing of details.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The kit is intended for the waterproofing of floors and walls in indoor wet areas under a wearing surface at possible temperature of between 5 °C and 40 °C.

¹ EN 12004:2007+A1:2012 Adhesives for tiles - Requirements, evaluation of conformity, classification and designation

The following uses are intended:

- Floor and/or wall surfaces with only occasional direct exposure to water, e. g., at a good distance from shower or bathtub.
- Floor and/or wall in shower areas or around bathtubs used for a few showers daily, e. g., in ordinary dwellings, multifamily houses and hotels.
- Floor and/or wall surfaces with exposure to water more frequent or of longer duration than normally anticipated in dwellings, e. g., public wet rooms, schools and sport facilities.

The waterproofing system is intended to be used on flexible substrate e. g., plywood, chipboard, gypsum, anhydrite or similar material vulnerable to water and on rigid substrates e. g., masonry or concrete.

The product is used in connection with the following types of drains:

Stainless steel or plastics – type PP or PE – with flange for attaching of collar/waterproofing layer or with clamping ring and collar. It is up to the responsibility of the user to use suitable products of the given types.

The performances given in Section 3 are only valid if the watertight covering kit is used in compliance with the specifications and conditions given in Annex B and the installation instructions of the manufacturer stated in the technical documents².

The verifications and assessment methods on which this European Technical Assessment is based lead the assumption of working life of the watertight covering kit of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	See Annex A1

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Content, emission and/or Release of dangerous substances:	See Annex A1
Vapour permeability	See Annex A1
Watertightness	See Annex A1
Crack bridging ability	See Annex A1
Bond strength	See Annex A1
Scratching resistance	No performance assessed (not relevant)
Joint bridging ability	See Annex A1
Watertightness around penetration	See Annex A1
Resistance to temperature	See Annex A1
Resistance to water	See Annex A1
Resistance to alkalinity	See Annex A1
Resistance to mechanical wear	No performance assessed (not relevant)

² The manufacturer's technical documents comprise all information necessary for the production and the installation of the product as well as for repair of the waterproofing made from that and it is deposited with DIBt.

3.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Slipperiness	No performance assessed (not relevant)
Reparability	See Annex A1
Thickness	See Annex A1

3.4 General aspects

The verification of durability and serviceability is part of testing the essential characteristics. The Durability and serviceability are only ensured if the specifications of intended use according to Annex B and the specifications of the technical documents of the manufacturer are kept.

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 030352-00-0503, the applicable European legal act is: 2003/665/EC.

The system to be applied is: 2+

In addition, with regard to reaction to fire for products covered by this EAD the system to be applied is: 3

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

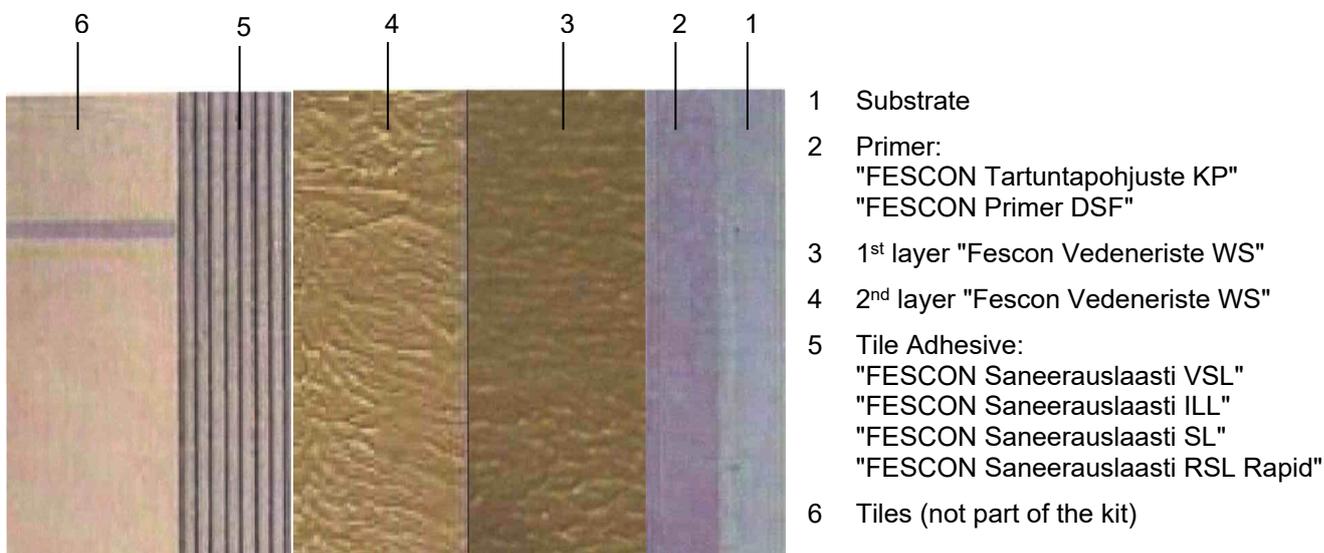
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Bettina Hemme
Head of Section

beglaubigt:
Hannoun

Working life	25 years
Essential characteristic	Performance
Reaction to fire EN 13501-1	Class E
Content, emission and/or release of dangerous substances ^{a)}	
Component: Tile adhesive (CE-marked)	According to EN 12004
All other components:	No performance assessed
Vapour permeability (Water vapour diffusion-equivalent air layer thickness)	
"FESCON Tartuntapohjuste KP" + "Fescon Vedeneriste WS" (1000 g/m ² ; 23 °C – 50/93 % r. h.)	s _d ≈ 2.3 m
"FESCON Primer DSF" (460 g/m ²) + "Fescon Vedeneriste WS" (1000 g/m ² ; 23 °C – 75/100 % r. h.)	s _d ≈ 79 m
Water tightness	Watertight
Crack bridging ability	Category 1: Crack width 0.4 mm
Bond strength	Category 2: Bond strength ≥ 0.5 MPa
Scratching resistance	No performance assessed ^{b)}
Joint bridging ability	Can bridge joints (watertight, joint width 2 mm)
Water tightness around penetrations (Tests according to Annex A and Annex F of EAD)	Watertight (on flexible and rigid floors and walls)
Resistance to temperature	Category 2: Bond strength ≥ 0.5 MPa + Crack width 0.4 mm
Resistance to water	Category 2: Bond strength ≥ 0.5 MPa
Resistance to alkalinity	Category 2: Bond strength ≥ 0.5 MPa
Resistance to mechanical wear	No performance assessed ^{b)}
Slipperiness	No performance assessed ^{b)}
Reparability	Reparable
Thickness	
Minimum layer thickness of the waterproofing layer	0.5 mm
^{a)} Release scenarios regarding BWR 3: IA 2. ^{b)} Not relevant for a waterproofing beneath a protection layer.	
Fescon Vedeneriste WS-järjestelmä FESCON Oy	Annex A1
Levels of use categories and performances of the product	

System built-up



Sealing tapes



"FESCON Vedeneristenauha FS-N"



"FESCON Vedeneristenauha VE-N"

Fescon Vedeneriste WS-järjestelmä
FESCON Oy

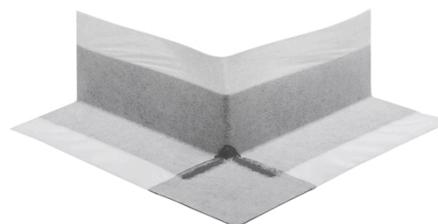
System built-up, components

Annex A2

Ingoing/outgoing corners



"FESCON Sisäkulma FS-S"



"FESCON Ulkokulma FS-U"



"FESCON Sisäkulma VE-S"



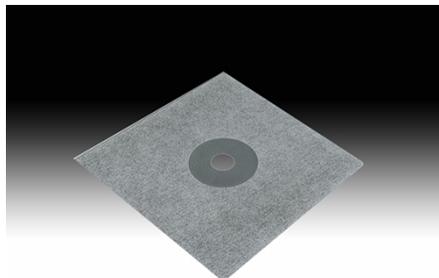
"FESCON Ulkokulma VE-U"

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FESCON Oy

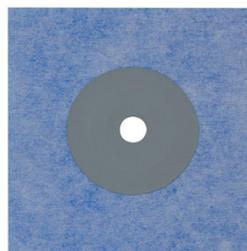
Components

Annex A3

Sealing sleeves for walls

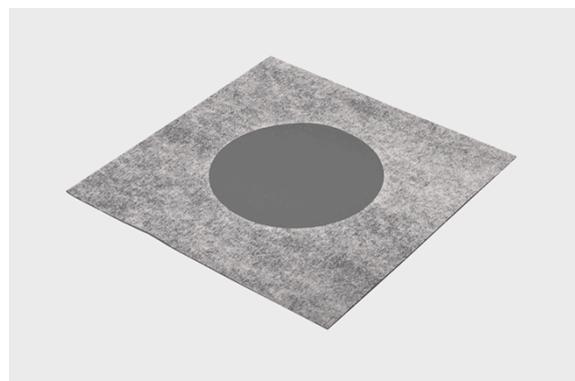


"FESCON Läpivientilaippa FS-L 10"
"FESCON Läpivientilaippa FS-L 23" (perforated)
"FESCON Läpivientilaippa FS-L 40"
"FESCON Läpivientilaippa FS-L 55" (perforated)
"FESCON Läpivientilaippa FS-L 70"



"FESCON Läpivientilaippa VE-L 10"
"FESCON Läpivientilaippa VE-L 23" (perforated)
"FESCON Läpivientilaippa VE-L 40"
"FESCON Läpivientilaippa VE-L 55" (perforated)
"FESCON Läpivientilaippa VE-L 70"

Sealing sleeves for floors



"FESCON Läpivientilaippa FS-L 100"



"FESCON Kaivolaippa KL-B"

Fescon Vedeneriste WS-järjestelmä
FESCON Oy

Components

Annex A4

Installation

The levels of use categories and the performance of the waterproofing kit can be assumed only, if the installation is carried out according to the installation instructions stated in the technical file of the manufacturer, in particular taking account of the following points:

- installation by appropriately trained personnel;
- installation of only those components which are specified components of the kit;
- installation with the required tools and adjuvant;
- precautions during installation;
- inspecting the substrate surface for cleanliness and correct treatment;
- inspecting during installation and of the finished watertight membrane and documentation of the results.

Fescon Vedeneriste WS-järjestelmä
FESCON Oy

Intended use
Specifications for the installation

Annex B